



111 Maryland Avenue | Rockville, Maryland 20850-2364 | 240-314-5000
www.rockvillemd.gov

Development Review Comments

October 25, 2023

STP2024-00465

Submission Review Comments

12501 Ardennes Ave.

The following are Development Review comments from City of Rockville staff related to the project submission.

Reviewing Staff

Planning & Development Services (PDS)

Project Manager:

Kimia Zolfagharian (KZ), Principal Planner
kzolfagharian@rockvillemd.gov

Comprehensive Planning:

Katie Gerbes (KG), Comprehensive Planning Manager
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Forestry Reviewer:

Shaun Ryan (SR), Development Review Supervisor
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Fire Reviewer:

Charles Biggus (CB), Fire Plans Examiner
cbiggus@rockvillemd.gov

Building Reviewer:

Chris Dempwolf (CD), Buildings Plan Examiner Supervisor
cdempwolf@rockvillemd.gov

Dept. of Public Works (DPW)

Engineering Reviewer:

Dave Waterman (DW), Senior Civil Engineer
dwaterman@rockvillemd.gov

Traffic and Transportation Reviewers:

Andrew Luetkemeier (AWL), Principal Transportation Engineer
aluetkemier@rockvillemd.gov

Faramarz Mokhtari (FM), Senior Transportation Planner
fmokhtari@rockvillemd.gov

**Housing and Community
Development (HCD)**

Housing Reviewer:

Punam Thukral (PT), Housing Specialist
pthukral@rockvillemd.gov

Recreation and Parks (RPD)

Parks Reviewer:

Christine Henry (CH), Deputy Director
chenry@rockvillemd.gov

PDS Comments

Development & Zoning (KZ)

1. Request: Uniwest Development, LLC (“Uniwest”) (the “Applicant”), the owner of the property located at 12501 Ardennes Avenue (the “Property”), is pursuing a Level 2 Site Plan approval to convert the existing office structure on the Property to multi-family residential use containing a total of 181 units (206,486 square feet) that will include 15 percent moderately priced dwelling units (“MPDUs”) (the “Project”).
2. Located at the intersection of Twinbrook Parkway and Ardennes Ave.
 - a. Zoning District: MXE (Mixed-Use Employment)
 - b. Land Use: O (Office)
 - c. Conversion of the existing office building to multi-dwelling residential use is proposed.
 - d. Per Zoning Ordinance Sec. 25.13.03 “multiple-unit dwelling” is a permitted use in the MXE zone. See Comprehensive Planning comments below for compliance with the land use designation and Comprehensive Plan.
3. Proposed Height: 118 feet (Max. 120’). 10 Story building (addition of 3 over existing). Per Sec. 25.05.07.d of the Zoning Ordinance, modifications to an approved development, including an increase in height, are a major amendment to the existing approval. USE2002-00642 Condition of Approval #1.a limited the building height to 85’. The submitted plans indicate a proposed height of 118’. Please provide information in the project narrative submitted with the Site Plan submittal that addresses the proposed height increase and how surrounding conditions have changed since the original approval to support the additional requested height.
4. Rooftop amenity spaces: what is the height, and is it less than 25% of the floor area? With the addition of the rooftop mechanical equipment, a waiver to the 25% rooftop coverage maximum may be required.
5. Discuss open space programming and propose potential connections within the forest conservation easement.
6. Provide MPDU specific units, mix, and locations. The Project Data Table on Sheet SP-1 Notes “Determine at Site Plan” for the residential uses. Since the application is for a Level II Site Plan, this information needs to be provided at this stage. While the proposed number of units is 28 du, additional information is needed as to where these units will be located, and on which floors.

7. Please verify that the width of the parking spaces provided in the garage adhere to the minimum required. Some parking spaces appear to be less than the required width. With the reduction in parking spaces proposed, please verify that requirements are still being met.
8. Please verify if site plan survey is current.
9. Provide additional information on loading spaces and the proposed zones.
10. Provide additional information on the programming of the Public Use Spaces within the open area, as highlighted on Sheet SP-5.
11. Provide additional renderings of the proposed building and the site landscaping, particularly the building entrance on the north side of the building, and the pedestrian level experiences along Ardennes Ave and Twinbrook Parkway.
12. Previous approvals and applications:
 - a. ANX2000-00131: an annexation agreement identifying restrictions on the height, floor area ratio (FAR), and lot coverage for new development in the O-1 Zone. The City Attorney's Office has reviewed the Annexation Agreement and determined that, given the revisions to the base zone from O-1 to MXE since the project approval, and related increases to maximum height and removal of FAR requirements, the Annexation Agreement is no longer valid or applicable. The proposed development is subject to the base zone standards as modified by the initial development approval.
 - b. USE2002-00642: approval of a 150,000 square foot office building on the site subject to conditions of approval
 - c. PLT2007-00471: final record plat to create Lot 5, Block E (the subject site)
 - d. PAM2023-00146
13. The proposed renderings depict white/cream-colored bands on the facades that face the Ardennes Ave and Twinbrook Parkway intersection. This breaks up the visual autonomy of the proposed darker masonry/brick proposed in other parts of the façade. Is this intended to reflect the existing materials on the façade of the office building? Warmer colors that match the proposed darker brown colors may provide additional cohesiveness with the neighboring properties.

See plan markups for additional comments.

Comprehensive Planning (KG)

1. This application is compliant with the City's Comprehensive Plan. The application is located within Planning Area 9. Several elements of the project application are in alignment with goals, policies, and actions outlined in Planning Area 9 chapter of the Comprehensive Plan. These compatibilities are:
 - The Plan identifies the future land use of the parcel to be "office." That said, the base zoning of MXE does allow for residential uses, and staff believe the shift of land use to residential is consistent with the surrounding fabric, as this parcel is the only parcel within Planning Area 9 designated as an office use; all other land is envisioned as mixed-use or residential.
 - A key issue identified is the "concern over the changing environment of retail and office markets that could impact existing businesses and jobs," (page 350). The applicant is proposing a switch in land use to address this concern.
 - There are no recommendations within the Plan specific to the 12501 Ardennes property on its own.
2. The application is consistent with the Housing element of the Comprehensive Plan. The Housing element of the Plan calls to "identify potential opportunities for conversion of obsolete offices and hotels into residences," (page 200) and to "allow new housing in locations where amenities and infrastructure already exist, and that are compatible with the existing neighborhood," (page 200). The proposed project is consistent with both housing policy goals. Furthermore, the conversion of this property will result in 28 new Moderately Priced Dwelling Units (MDPU) for the city – expansion of the MDPU program is a major goal of the Plan.
3. The application is also consistent with the Land Use element of the Comprehensive Plan. The Land Use element is supportive of the conversion of buildings, as Policy 6 is to "anticipate and plan for land use change from commercial to residential uses" (page 26). Additionally, the Land Use element seeks to "continue to develop new walkable and bikeable, mixed-use activity centers on available land, primarily commercial sites deemed ready for conversion" (page 35). The proposed project is consistent with these land use goals.

Forestry (SR)

1. See comments on Landscape Plan, Forest Conservation Plan, and NRI/FSD pages in submittal.

Fire (CB)

1. See site plan markups.

Building (CD)

DPW Comments

Engineering (DW)

1. Please see site plan markups.

Traffic and Transportation (AWL/FM)

1. Please see site plan markups.
2. The applicant will need to resubmit a revised transportation report that addresses the staff's comments.

HCD Comments

Housing (PT)

1. The applicant is providing 15% of the total units as MPDU, 28 MPDU units.
2. Residential units constructed on this site must comply with the standards and requirements of the Rockville Moderately Priced Dwelling Unit Chapter 13.5 of the Rockville City Code.
3. Staff want the applicant to identify the location of MPDU units, which must be distributed throughout the building in all sections and levels of the building, so as not to concentrate all MPDUs in one section(s) of the building.
4. The MPDUs should be indistinguishable from the market rate units.
5. The MPDUs must be income tiered at three income bands—50%, 60% and 80% of AMI.
6. The applicant must provide the list of all the MPDU units and the site plan.
7. The staff would like to propose that the applicant must designate a few ADA(the Americans with Disability Act)/UFAS(Uniform Federal Accessibility Standards) units within the MPDU.

8. Before applying of any building permits, an MPDU Rental Offering Agreement must be executed and MPDU Declaration of Covenants and Restrictions must be recorded in a form approved by the Mayor and Council and the Office of the City Attorney.

RPD Comments

Parks (CH)

1. The Publicly Accessible Art in Private Development ordinance will apply to this project. Application will be required prior to building permit.
2. As it pertains to the ordinance, this development is both an expansion and a renovation which should be included in the Art in Private Development expenditure calculation in the completed application. The existing square footage is not exempt from the legislation since Sec 4-44(b7) applies to renovations of an existing commercial building. The renovation involves the following, therefore the existing square footage is subject to the art contribution:

Sec 4-44(b7b) Renovation disturbing fifty (50) percent or more of the gross floor area of the building or structure: the required expenditure shall be calculated based on the gross floor area of the entire building or structure at the rate applicable to construction of the same type.

Note: At the time of the next submittal, the applicant will need to provide a point- by-point response letter noting how the staff review comments have been addressed. Comments provided in letter format can be addressed letter format. Comments provided in the plans should be addressed via plan markups rather than letter format. See attached example.

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REFERENCE
GRID

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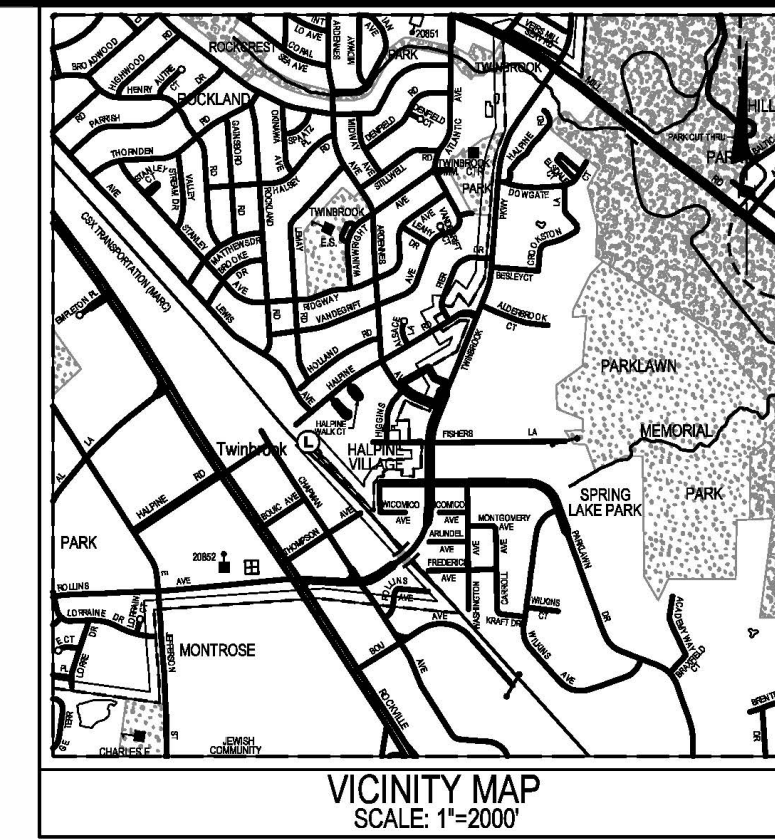
N

O

TWINBROOK PLACE

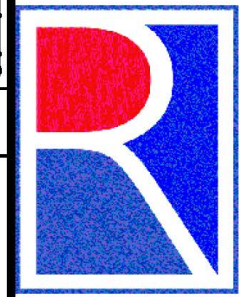
SITE PLAN

STP2023-00XXX



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NO.	REVISIONS	BY	DATE

MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1-800-287-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER / DEVELOPER / APPLICANT

TWINARD LIMITED PARTNERSHIP
C/O UNIWEST DEVELOPMENT LLC
8191 STRAWBERRY LANE, SUITE 3
FALLS CHURCH, VA 22042-1032
(703) 698-4042

MICHAEL D. COLLIER

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 49428 . EXPIRATION DATE: 05/31/2028

COVER SHEET

SITE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E

CITY OF ROCKVILLE (4TH) ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND

TAX MAP	ZONING CATEGORY:
G063	MXE
WSSC 200' SHEET	SITE DATUM
216NNW06	HORIZONTAL: _____
	VERTICAL: _____
DATE:	8/31/2023
DESIGNED:	NC
TECHNICIAN:	JP
CHECKED:	TAH
CAD STD'S VERSION:	CONNECT / NCS
PROJECT NO.	
1047-01-00	

OWNER / APPLICANT:

TWINARD LIMITED PARTNERSHIP
C/O UNIWEST DEVELOPMENT LLC
8191 STRAWBERRY LANE, SUITE 3
FALLS CHURCH, VA 22042
PHONE: 301-948-2750
ATTN: MICHAEL D. COLLIER

ENGINEER / LANDSCAPE ARCHITECT:

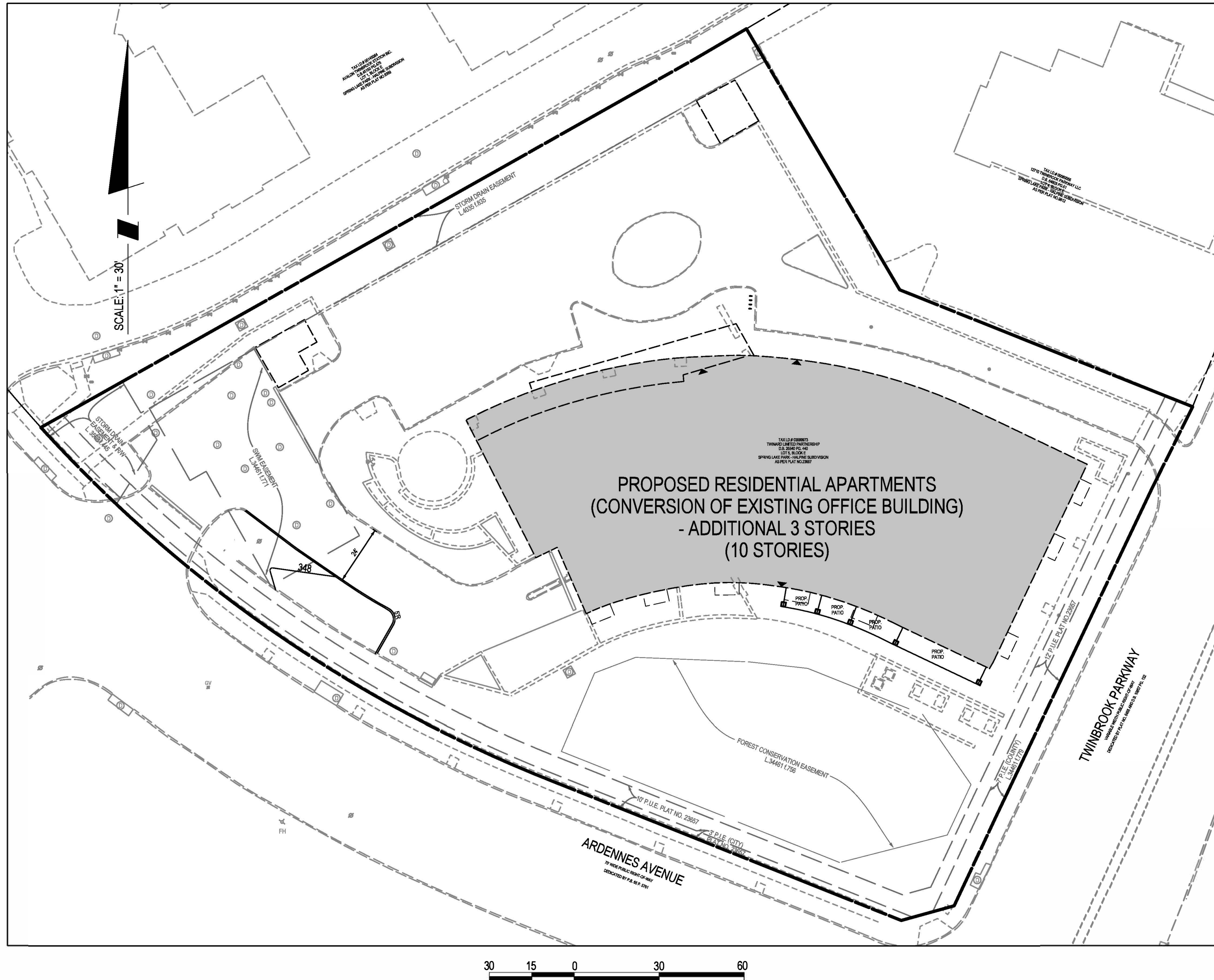
SOLTESZ, INC.
2 RESEARCH PLACE, SUITE 100
ROCKVILLE, MD 20850
PHONE: 301-948-2750
ATTN: TIMOTHY A. HOFFMAN

ARCHITECT:

LESSARD DESIGN, INC.
8521 LEESBURG PIKE, SUITE 700
VIENNA, VA 22182
PHONE: 571-830-1865-539-8776
ATTN: LETICIA FLORES

ATTORNEY:

LERCH, EARLY, & BREWER, CHTD
7600 WISCONSIN AVENUE, SUITE 700
BETHESDA, MD 20814
PHONE: 301-841-3832
ATTN: PATRICIA HARRIS



GENERAL NOTES:

- THE PROPERTY IS IDENTIFIED AS LOT 5, BLOCK E, SPRING LAKE PARK HALPINE SUBDIVISION, AS RECORDED ON PLAT 23657.
- THE TAX ID NUMBER IS 03599973 IN DISTRICT 4, ON TAX MAP GQ OF MONTGOMERY COUNTY, MARYLAND.
- THE TRACT AREA IS 91,223 SF, OR 2.09419 AC.
- THE PROPERTY IS ZONED MXE (MIXED-USE EMPLOYMENT).
- THE PROPERTY LIES WITHIN THE TWINBROOK NEIGHBORHOOD PLAN OF THE CITY OF ROCKVILLE, APPROVED AND ADOPTED APRIL 27, 2009.
- THERE ARE NO STREAM OR FLOODPLAIN PRESENT TO WITHIN 100 FEET OF THE SITE.
- THE SITE IS WITHIN THE MIDDLE ROCK CREEK WATERSHED, USE CLASS I.
- THERE IS NO FLOODPLAIN ON THIS PROPERTY. SOURCE OF THE INFORMATION IS FROM FEMA FLOODPLAIN COMMUNITY - PANEL NUMBER 24031C0353D.
- THERE ARE NO WETLANDS PRESENT ON THE SITE.
- THE SOIL TYPE THROUGHOUT THE SITE IS 400 (URBAN LAND).
- BOUNDARY AND TOPOGRAPHY BY FIELD SURVEY PERFORMED BY SOLTESZ, INC. IN JULY 2023.
- NO WETLAND WERE IDENTIFIED ON THE SITE PER FIELD INVESTIGATION BY WETLAND STUDIES AND SOLUTIONS, INC. IN MAY 2023.
- THERE IS NO RECORD OF RARE, THREATENED OR ENDANGERED SPECIES ON THE SITE AS VERIFIED BY LETTER FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, DATED JUNE 28, 2023.
- THE PROPERTY IS NOT IN THE LOCATIONAL ATLAS AND INDEX OF HISTORIC SITES AND NO HISTORIC FEATURES EXIST ON OR ADJACENT TO THE SITE.
- THE SITE IS NOT WITHIN THE CITY OF ROCKVILLE HISTORIC DISTRICT AND IS NOT A BUILDING OR STRUCTURE WITHIN THE CITY OF ROCKVILLE'S HISTORIC BUILDING CATALOG, PER CITY OF ROCKVILLE MAPS ARGIS.
- EXISTING WATER AND SEWER CATEGORIES ARE W-1 AND S-1 RESPECTIVELY.
- PEPCO, WASHINGTON SUBURBAN SANITARY COMMISSION (WSSC) AND WASHINGTON GAS, VERIZON, AND COMCAST UTILITY SERVICES ARE AVAILABLE TO THE SITE.

Twinbrook Place - Project Data Table: MXE Zone (Mixed-Use Employment)		
	Required Development Standards	Proposed
Site Area:		
Gross Tract Area		2.09419 ac (91,223 sf)
Net Site Area		2.08419 ac (91,223 sf)
MXE Zone Development Standards (Sec. 25.13.05.b.1)		
Maximum Building Height	120'	118'±
Min. Lot Width at Front Lot Line	10' min.	413.23'
Open Area and Public Use Space		
Open Area	20% (0.41 ac., 18,245 sf.)	28.57% (0.60 ac., 26,068± sf.)
Public Use Space Required within Open Area	5% (0.10 ac., 4,562 ± sf.)	9.72% (0.20 ac., 8,868± sf.)
Building Setbacks: (Minimum)		
Public right-of-way abutting	None or 10' min. if provided	15'
Side setback:		
Residential land abutting:	Greater of 25' or 1/2 height of bldg.	N/A
Non-residential land abutting:	None or 10' min. if provided	15'
Rear setback:		
Residential land abutting:	Greater of 25' or 1/2 height of bldg.	N/A
Non-residential land abutting:	None or 10' min. if provided	15'
Non-Residential Use:		
(NONE)	(Determine at Site Plan)	0
Residential Uses:		
Multi-family	(Determine at Site Plan)	181 du
MPDU's		
MPDU's	N/A	15% (28 du)
Residential Parking (Sec. 25.16.03.d)		
Auto Spaces		
Multiple-unit (0-1 BR) 40% (106 du)	1 sp/du = 106 spaces	43 Surface Parking Spaces 41 Standard spaces 2 Van accessible spaces
Multiple-unit (2 or more BR) 60% (75 du)	1.5 sp/du = 113 spaces	368 Garage Parking Spaces 360 Standard spaces 2 Van-accessible spaces 6 Accessible spaces
Total:	219 spaces	411 spaces
Bicycle Spaces		
Short Term	4 sp (1 sp. per 50 du)	4 sp.
Long Term	61 sp (1 sp. per 3 du)	61 sp.
Total:	65 sp.	65 sp.

CITY APPROVALS ASSOCIATED WITH THIS PLAN

TRACKING NO.	APPROVAL DATE
STORMWATER MANAGEMENT	SMCXXXX-XXXXX
SEDIMENT CONTROL	SCPXXXX-XXXXX
WATER AND SEWER	WSAXXXX-XXXXX
MDE NOTICE OF INTENT	
NRI / FSD	
LANDSCAPE	
FOREST CONSERVATION	

Community Planning & Development Services
Received
September 6, 2023

SHEET INDEX

SITE PLAN

- SP-1 COVER SHEET
- SP-2 EXISTING CONDITIONS PLAN
- SP-3 OVERALL SITE PLAN
- SP-4 FIRE PROTECTION SITE PLAN
- SP-5 OPEN AREA & PUBLIC USE SPACE EXHIBIT

LANDSCAPE & LIGHTING PLAN

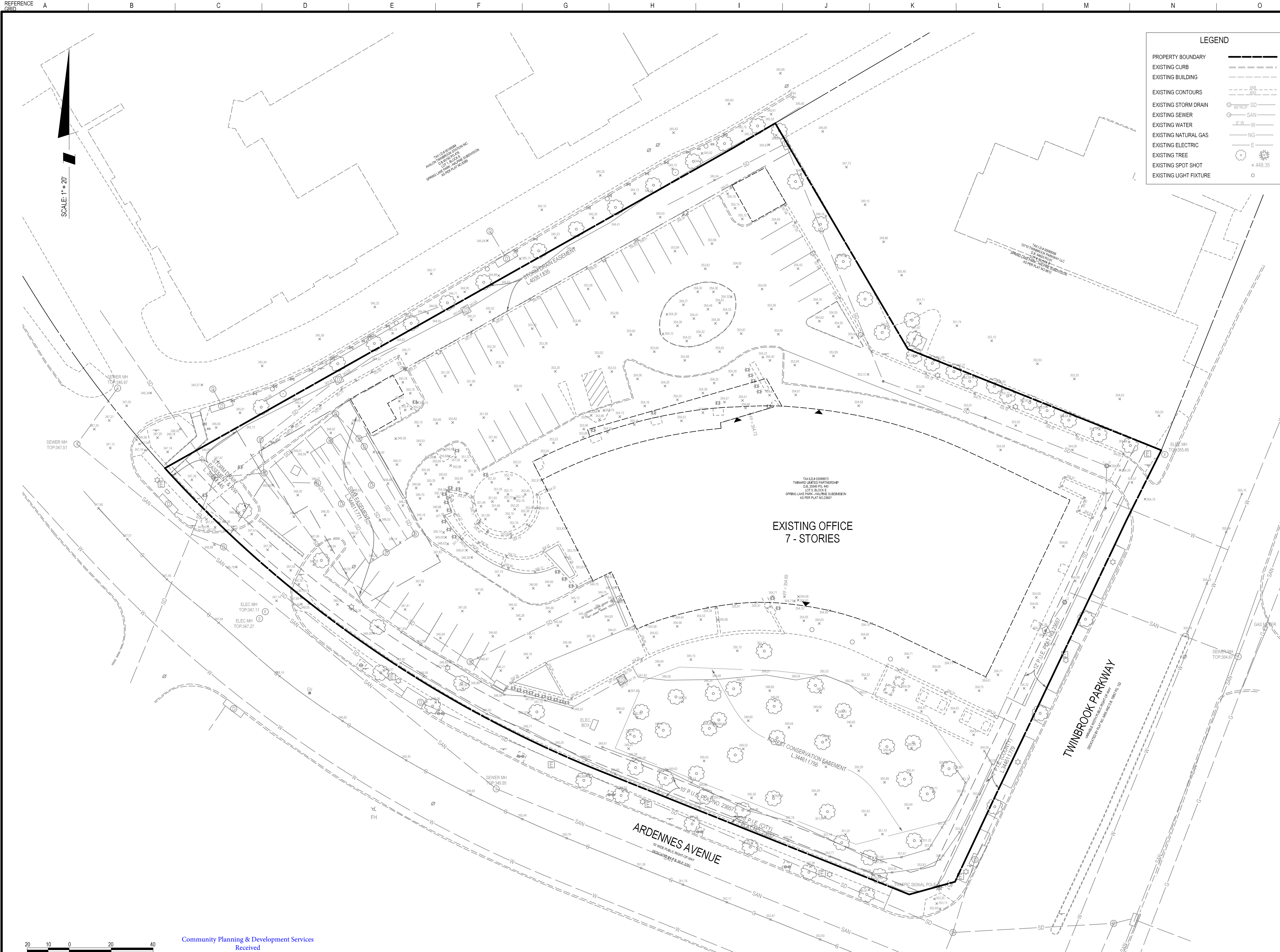
- LP-1 LANDSCAPE PLAN
- LP-2 LANDSCAPE NOTES & DETAILS

FOREST CONSERVATION PLAN

- FCP-1 TREE REMOVAL PLAN
- FCP-2 FOREST CONSERVATION PLAN
- FCP-3 FCP NOTES AND DETAILS

PRELIMINARY ARCHITECTURE

- A.01 BUILDING TABULATIONS
- A.02 BASEMENT FLOOR PLAN (B3)
- A.03 BASEMENT FLOOR PLAN (B2)
- A.04 BASEMENT FLOOR PLAN (B1)
- A.05 GROUND FLOOR PLAN (GR/R1)
- A.06 TYPICAL RESIDENTIAL FLOOR PLAN (R2-R7)
- A.07 TYPICAL RESIDENTIAL FLOOR PLAN (R8-R10)
- A.08 ROOF PLAN
- A.09 UNIT PLANS
- A.10 UNIT PLANS
- A.11 UNIT PLANS
- A.12 UNIT PLANS
- A.13 UNIT PLANS
- A.14 UNIT PLANS
- A.15 UNIT PLANS
- A.16 UNIT PLANS
- A.17 UNIT PLANS
- A.18 UNIT PLANS
- 05 PERSPECTIVE RENDERING
- 06 PERSPECTIVE RENDERING
- 07 PERSPECTIVE RENDERING

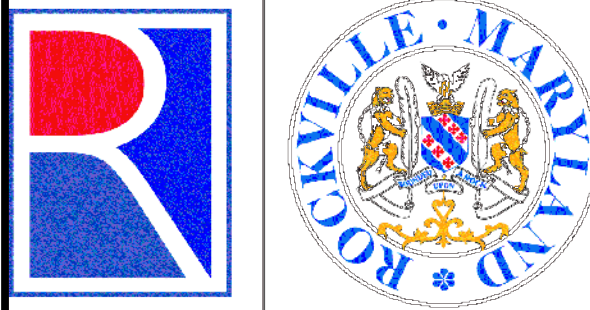


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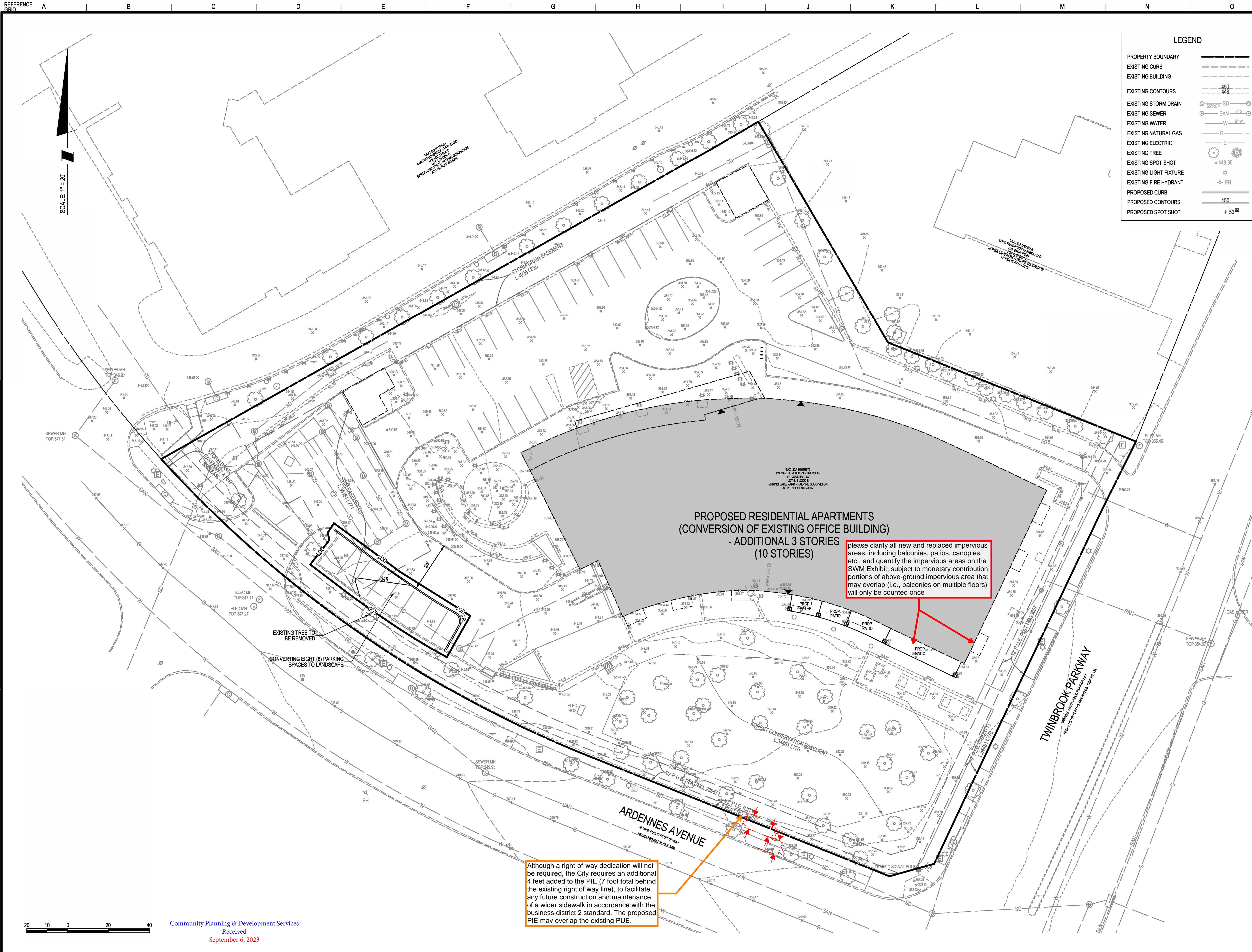
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LICENSE NO. 49428, EXPIRATION DATE: 05/31/2024

EXISTING CONDITION PLAN
SITE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E
CITY OF ROCKVILLE 4TH ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND

TAX MAP G063	ZONING CATEGORY: MXE
WSSC 200' SHEET 216NW06	SITE DATUM HORIZONTAL: VERTICAL:
1" = 20'	DATE: 8/31/2023 DESIGNED: NC TECHNICIAN: JP CHECKED: TAH CAD STD'S: CONNECT / VERSION: NCS
SHEET SP-2	PROJECT NO. 1047-01-00

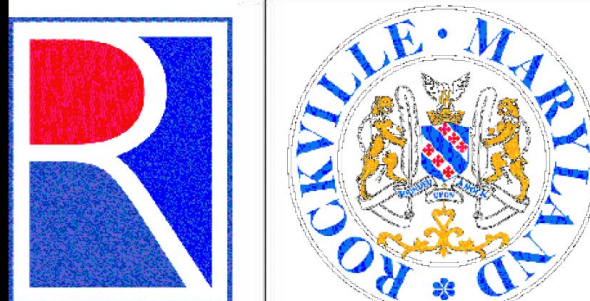


LEGEND

PROPERTY BOUNDARY	---
EXISTING CURB	---
EXISTING BUILDING	---
EXISTING CONTOURS	---
EXISTING STORM DRAIN	---
EXISTING SEWER	---
EXISTING WATER	---
EXISTING NATURAL GAS	---
EXISTING ELECTRIC	---
EXISTING TREE	---
EXISTING SPOT SHOT	---
EXISTING LIGHT FIXTURE	---
EXISTING FIRE HYDRANT	---
PROPOSED CURB	---
PROPOSED CONTOURS	---
PROPOSED SPOT SHOT	---

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NO.	REVISIONS	BY	DATE

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LICENSE NO. 49426 . EXPIRATION DATE: 05/31/2024

SITE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E
CITY OF ROCKVILLE (4TH) ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND

TAX MAP G063	ZONING CATEGORY: MXE
WSSC 200' SHEET 216NNW06	SITE DATUM HORIZONTAL: VERTICAL:
DATE: 8/31/2023 DESIGNED: NC TECHNICIAN: JP CHECKED: TAH CAD STD'S: CONNECT / VERSION: NCS	PROJECT NO. 1047-01-00

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Although a right-of-way dedication will not be required, the City requires an additional 4 feet added to the PIE (7 foot total behind the existing right of way line), to facilitate any future construction and maintenance of a wider sidewalk in accordance with the business district 2 standard. The proposed PIE may overlap the existing PUE.

SCALE: 1" = 20'

Does the free standing FDC serve the building or the garage or both?
Please show the existing fire hydrant locations.

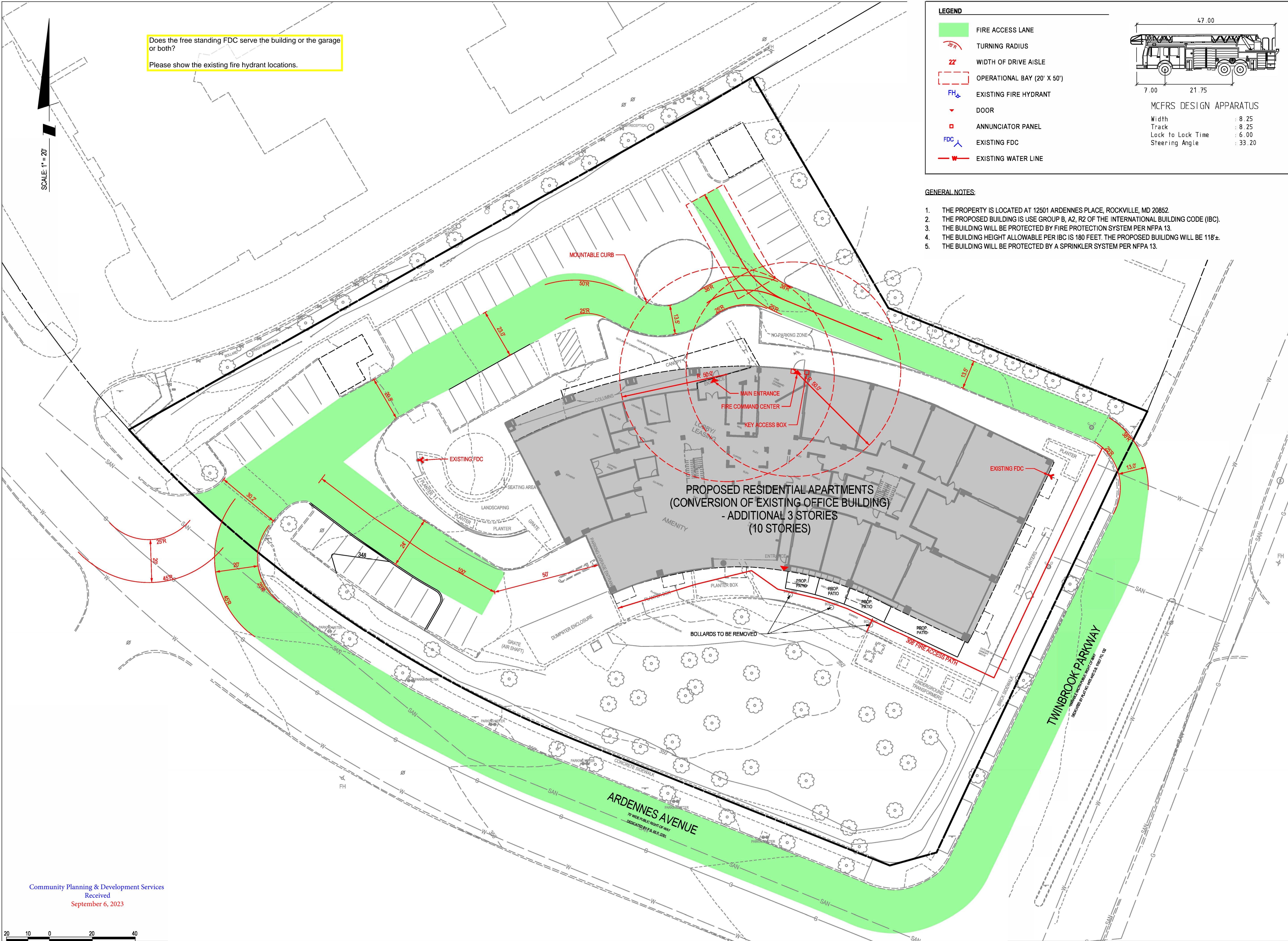
LEGEND

- FIRE ACCESS LANE
- TURNING RADIUS
- WIDTH OF DRIVE AISLE
- OPERATIONAL BAY (20' X 50')
- EXISTING FIRE HYDRANT
- DOOR
- ANNUNCIATOR PANEL
- EXISTING FDC
- EXISTING WATER LINE

MCFRS DESIGN APPARATUS

Width	: 8.25
Track	: 8.25
Lock to Lock Time	: 6.00
Steering Angle	: 33.20

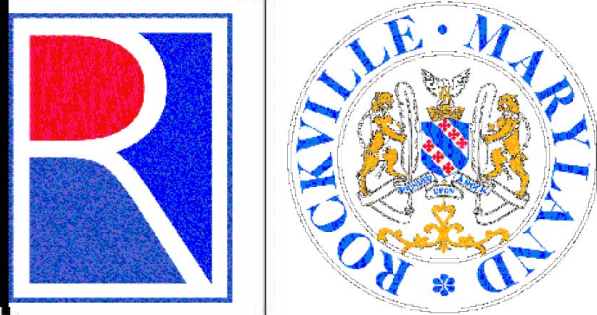
- GENERAL NOTES:**
- THE PROPERTY IS LOCATED AT 12501 ARDENNES PLACE, ROCKVILLE, MD 20852.
 - THE PROPOSED BUILDING IS USE GROUP B, A2, R2 OF THE INTERNATIONAL BUILDING CODE (IBC).
 - THE BUILDING WILL BE PROTECTED BY FIRE PROTECTION SYSTEM PER NFPA 13.
 - THE BUILDING HEIGHT ALLOWABLE PER IBC IS 180 FEET. THE PROPOSED BUILDING WILL BE 118'±.
 - THE BUILDING WILL BE PROTECTED BY A SPRINKLER SYSTEM PER NFPA 13.



SOLTESZ, INC.

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OWNER / DEVELOPER / APPLICANT
TWINARD LIMITED PARTNERSHIP
C/O UNIVEST DEVELOPMENT LLC
8151 STRAWBERRY LANE, SUITE 3
FALL CHURCH, VA 22042-1032
(703) 698-4042
MICHAEL D. COLLIER

PROFESSIONAL CERTIFICATION
HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 49428 EXPIRATION DATE: 05/31/2024



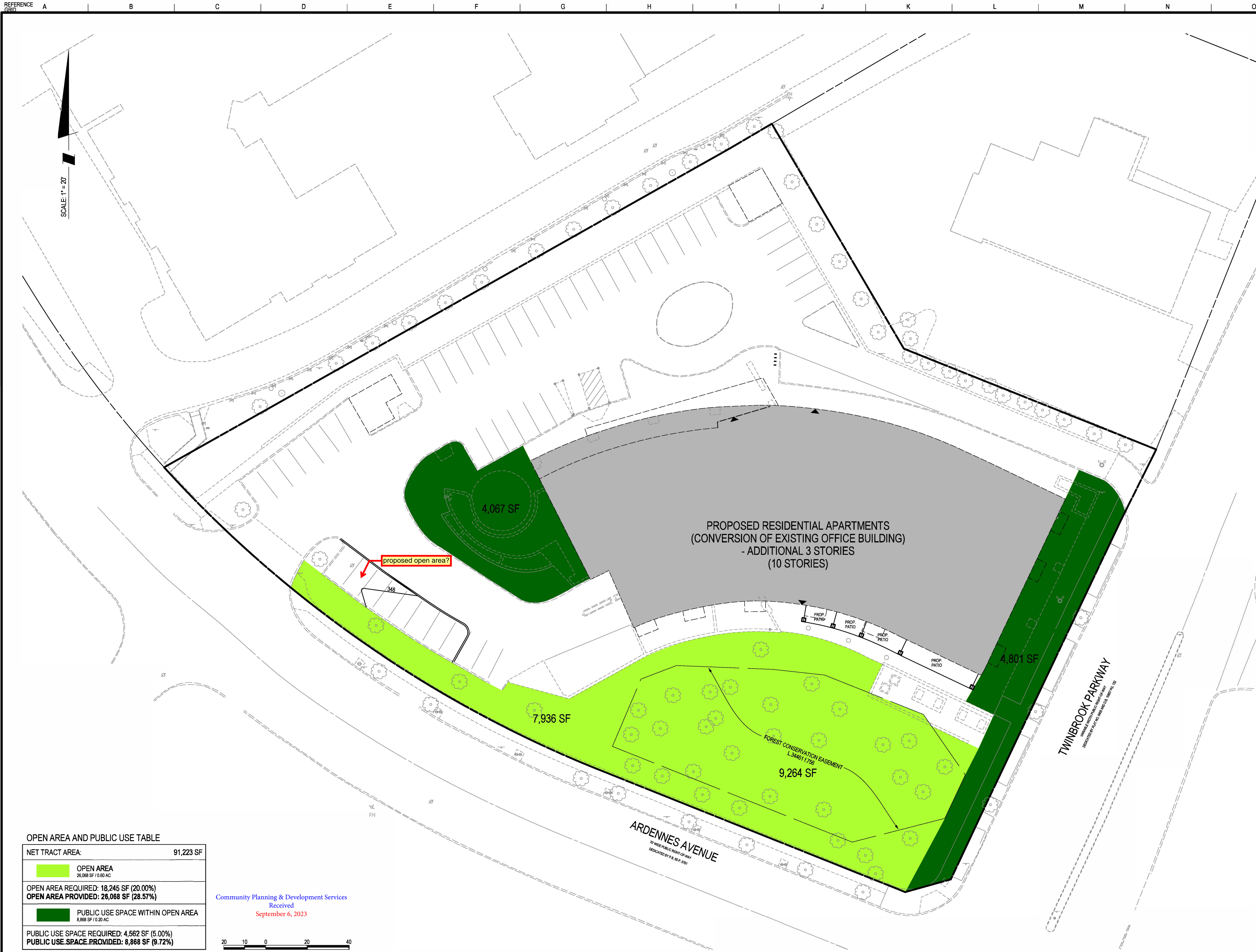
FIRE PROTECTION SITE PLAN
SITE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E
CITY OF ROCKVILLE (4TH) ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND

TAX MAP G063	ZONING CATEGORY: MXE
WSSC 200' SHEET 216NW06	SITE DAY/UM HORIZONTAL: VERTICAL:
DATE: 8/31/2023 DESIGNED: NC TECHNICIAN: JP CHECKED: TAH CAD STD'S: CONNECT / VERSION: NCS	
PROJECT NO. 1047-01-00	

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September 6, 2023

20 10 0 20 40



OPEN AREA AND PUBLIC USE TABLE

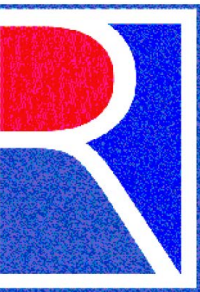
NET TRACT AREA:	91,223 SF
<div></div> OPEN AREA	26,068 SF / 0.60 AC
OPEN AREA REQUIRED: 18,245 SF (20.00%)	
OPEN AREA PROVIDED: 26,068 SF (28.57%)	
<div></div> PUBLIC USE SPACE WITHIN OPEN AREA	8,868 SF / 0.20 AC
PUBLIC USE SPACE REQUIRED: 4,562 SF (5.00%)	
PUBLIC USE SPACE PROVIDED: 8,868 SF (9.72%)	

Community Planning & Development Services
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September 6, 2023



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LICENSE NO. 49428 , EXPIRATION DATE: 05/31/2024

PUBLIC USE SPACE AND OPEN AREA

SITE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E
CITY OF ROCKVILLE (4TH ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND)

TAX MAP
G063

WSSG 200' SHEET
216NW06

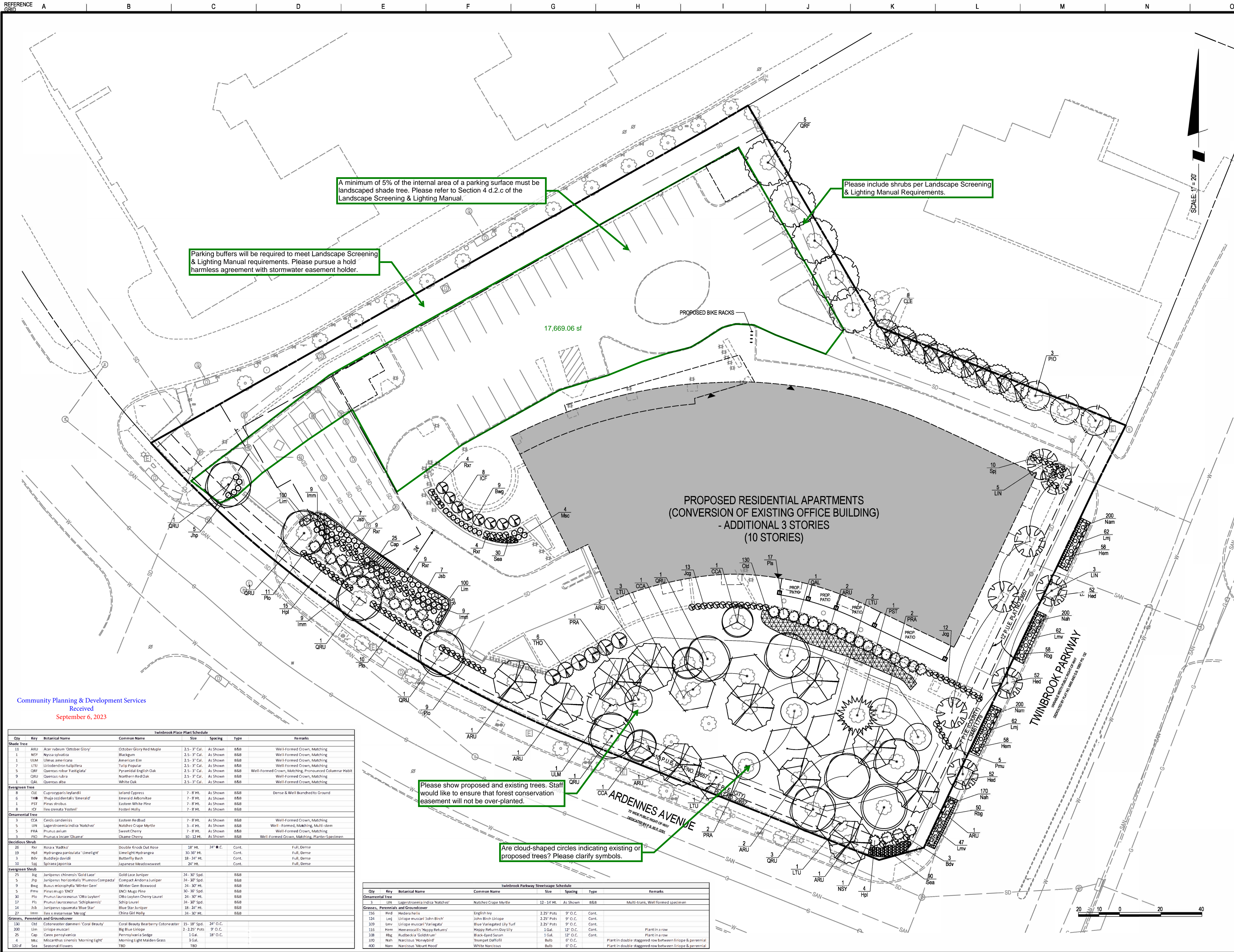
DATE: 8/31/2023
DESIGNED: NC
TECHNICIAN: JP

CHECKED: TAH
CAD STG'S: CONNECT/
VERSION: NCS

SHEET
SP-5

PROJECT NO.
1047-01-00





Community Planning & Development Services
Received
September 6, 2023

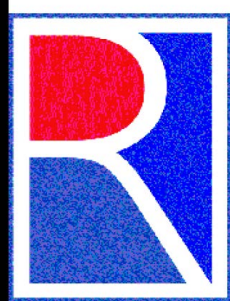
Twinbrook Place Plant Schedule									
Qty	Key	Botanical Name	Common Name	Size	Spacing	Type	Remarks		
Shade Tree									
13	ARU	Acer rubrum 'October Glory'	October Glory Red Maple	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
1	NSY	Nyssa sylvatica	Blackgum	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
1	ULM	Ulmus americana	American Elm	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
7	LTU	Liriodendron tulipifera	Tulip Poplar	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
5	QRF	Quercus robur 'Fastigiata'	Pyramidal English Oak	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching, Pronounced Columnar Habit		
9	QRU	Quercus rubra	Northern Red Oak	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
1	QAL	Quercus alba	White Oak	2.5 - 3' Cal.	As Shown	B&B	Well-Formed Crown, Matching		
Evergreen Tree									
8	CLE	Cupressus leylandii	Island Cypress	7 - 8' Ht.	As Shown	B&B	Dense & Well-Branched to Ground		
6	THB	Thuja occidentalis 'Emerald'	Emerald Arborvitae	7 - 8' Ht.	As Shown	B&B			
1	PST	Pinus strobus	Eastern White Pine	7 - 8' Ht.	As Shown	B&B			
8	ICF	Ilex cornuta 'Tostoni'	Fostered Holly	7 - 8' Ht.	As Shown	B&B			
Ornamental Tree									
3	CCA	Cercis canadensis	Eastern Redbud	7 - 8' Ht.	As Shown	B&B	Well-Formed Crown, Matching		
5	LIN	Lagerstroemia indica 'Natchez'	Natchez Crape Myrtle	3 - 4' Ht.	As Shown	B&B	Well-Formed, Matching, Multi-stem		
5	PRA	Prunus avium	Sweet Cherry	7 - 8' Ht.	As Shown	B&B	Well-Formed Crown, Matching		
5	PRD	Prunus x incam 'Okame'	Okame Cherry	10 - 12' Ht.	As Shown	B&B	Well-Formed Crown, Matching, Planter Specimen		
Deciduous Shrub									
26	RVR	Rosa x 'Radlet'	Double Knock Out Rose	18" Ht.	24" x 24" C.	Cont.	Full, Dense		
19	HPL	Hydrangea paniculata 'Limelight'	Limelight Hydrangea	30 - 36" Ht.		Cont.	Full, Dense		
3	BW	Buddleia davidii	Butterfly Bush	18 - 24" Ht.		Cont.	Full, Dense		
10	SPL	Spiraea japonica	Japanese Meadowsweet	24" Ht.		Cont.	Full, Dense		
Evergreen Shrub									
25	JAG	Juniperus chinensis 'Gold Lace'	Gold Lace Juniper	24 - 30" Spd.		B&B			
5	JHP	Juniperus horizontalis 'Plumosa Compacta'	Compact Andorra Juniper	24 - 30" Spd.		B&B			
9	BWG	Buxus microphylla 'Winter Gem'	Winter Gem Boxwood	24 - 30" Ht.		B&B			
5	PRU	Prunus mugo 'Dwarf'	UNCI Mugo Pine	30 - 36" Spd.		B&B			
30	PLG	Prunus laurocerasus 'Otto Luyken'	OTTO Luyken Cherry Laurel	24 - 30" Ht.		B&B			
17	PLS	Prunus laurocerasus 'Schipkaensis'	Schipka Laurel	24 - 30" Spd.		B&B			
14	JSL	Juniperus squamata 'Blue Star'	Blue Star Juniper	18 - 24" Ht.		B&B			
27	IMM	Ilex x 'mexensis' 'Meisig'	China Girl Holly	24 - 30" Ht.		B&B			
Grasses, Perennials and Groundcover									
130	CLD	Cotoneaster dammeri 'Coral Beauty'	Coral Beauty Bearberry Cotoneaster	15 - 18" Spd.	24" O.C.	Cont.			
200	LIM	Liriope muscari	Big Blue Liriope	2 - 2.25' Pots	9" O.C.	Cont.			
25	CAP	Carex pensylvanica	Pennsylvania Sedge	1 Gal.	28" O.C.	Cont.			
4	MIC	Miscanthus sinensis 'Morning Light'	Morning Light Maiden Grass	3 Gal.		Cont.			
120 sf	SEA	Seasonal Flowers	TBD	TBD					

Twinbrook Parkway Streetscape Schedule									
Qty	Key	Botanical Name	Common Name	Size	Spacing	Type	Remarks		
Ornamental Tree									
3	LIN	Lagerstroemia indica 'Natchez'	Natchez Crape Myrtle	12 - 14' Ht.	As Shown	B&B	Multi-trunk, Well formed specimen		
Grasses, Perennials and Groundcover									
156	PRD	Hedera helix	English Ivy	2.25' Pots	9" O.C.	Cont.			
124	LIM	Liriope muscari 'John Birch'	John Birch Liriope	2.25' Pots	9" O.C.	Cont.			
109	LIM	Liriope muscari 'Variegata'	Blue Variegated Lily Turf	2.25' Pots	9" O.C.	Cont.			
116	HEM	Heimerocallis 'Happy Returns'	Happy Returns Day Lily	1 Gal.	12" O.C.	Cont.	Plant in a row		
128	RUB	Rubus idaeus 'Goldstrut'	Black-berried Rubus	1 Gal.	12" O.C.	Cont.	Plant in a row		
370	NAH	Narcissus 'Moonbird'	Trumpet Daffodil	6" O.C.	Cont.	Cont.	Plant in double staggered row between liriope & perennial		
400	NAM	Narcissus 'Mount Hood'	White Narcissus	Bulb	6" O.C.	Cont.	Plant in double staggered row between liriope & perennial		



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MICHAEL D. COLLIER

LANDSCAPE PLAN

LANDSCAPE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E

CITY OF ROCKVILLE 4TH ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND

TAX MAP		ZONING CATEGORY:	
G063		MXE	
WSSC 200' SHEET		SITE DATUM	
216NW06		HORIZONTAL: _____	
		VERTICAL: _____	
		DATE: 8/31/2023	
1" = 20'		DESIGNED: NC	
		TECHNICIAN: NC	
		CHECKED: DHP	
		CAD STD'S: CONNECT /	
		VERSION: NCS	
			
PROJECT NO.			
1047-01-00			



Planting Notes for Landscape Plans

NOVEMBER 2019

INSTALLATION OF PLANT MATERIAL

- The Permittee is responsible for obtaining the approved Forest Conservation Plan/Landscape Plan and providing a copy to the Landscape Contractor. The Permittee shall ensure that the Landscape Contractor can secure the plants shown the FCP/Landscape Plan. Plant substitutions are not allowed. It is strongly recommended that plant material be secured from supplier by the project start date.
- A pre-planting meeting is required before installation of landscaping, afforestation, or reforestation. The applicant must schedule an on-site pre-planting meeting with the City Forestry Inspector. Attendees must include the Permittee, landscape contractor, and Forestry Inspector. Trees and shrubs shall conform to the current edition of the American Standard for Nursery Stock (ANSI Z60.1).
- Comply with appropriate City Soil Specification:
 - Soil Specification FOR TREE PLANTING WHERE EXISTING PAVEMENT OR OTHER IMPERVIOUS SURFACES WERE PREVIOUSLY LOCATED OR WHERE EXISTING GREENSPACE HAS BEEN SEVERELY DEGRADED¹
 - Site preparation
 - Demolish existing impervious surface and remove all existing asphalt, concrete, stone and construction materials to expose subsoil free of debris.
 - Excavate so that final planting bed will provide quality soil to a depth of forty-eight (48) inches, and to a radius of 10' minimum or to new hard edge of planting bed, whichever is less.
 - Loosen exposed subsoil below 48" by ripping 18" into the sub grade elevation.
 - Test to ensure that planting bed drains at a rate of at least 1 inch per hour.
 - Install imported soil to fill excavated planting bed. Imported soil shall have a texture of LOAM, per the USDA soil classification system and a chemical composition compatible with healthy tree growth. When installing the soil, it should be installed in lifts or layers of < 12 inches (30 cm), tamping or watering (not both) between lifts to minimize potential settling.
 - Immediately prior to installation of plant material, the soil must be tested and must have a pH range between 5.5 and 7 and a nutrient content which corresponds to an adequate rating, per current industry standards. Amend soil, if necessary, to achieve the current industry standard.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
- Soil Specification FOR PLANTING WHERE EXISTING GREEN SPACE HAS NOT BEEN PROTECTED FROM CONSTRUCTION IMPACTS BUT IS NOT SEVERELY DEGRADED.
 - Site Preparation:
 - Remove all construction debris and top four to six inches of existing soil.
 - Test remaining existing soil to verify a pH range between 5.5 and 7, and has a nutrient content which corresponds to an adequate rating, per current industry standards.
 - Apply four (4) inches of mature compost evenly over the entire planting surface. (4" = 12 Cubic Yards/1,000 s.f.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Till the compost into the existing soil to a minimum depth of thirty-six (36) inches using the city's soil profile rebuilding specification.
 - If soil does not meet nutrient standards, mitigate soil chemistry to meet the chemical parameters.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
- Soil Specification FOR PLANTING WITHIN EXISTING GREEN SPACE AREAS WHICH HAVE BEEN PROTECTED FROM CONSTRUCTION IMPACTS (One of two options, as determined by Forestry Inspector) Refer to approved City of Rockville Detail A-7

¹ See Definitions section B9

Page 1 of 3

Page 2 of 3



Soil Profile Rebuilding Specification

NOVEMBER 2019

Specification for Restoration of Graded and Compacted Soils that will be Vegetated

Based on Specifications developed At Virginia Polytechnic Institute- Department of Horticulture

1. PURPOSE AND DESCRIPTION

1.1 Purpose

Soil Profile Rebuilding is an appropriate soil restoration technique for sites where topsoil has been completely or partially removed and subsoil layers have been compacted (graded and/or trafficked by equipment). It may also be used with some modifications if topsoil is present. This is not an appropriate technique in sites with surface compaction only (6 inches or less), although this situation is rare on construction sites. This technique is not appropriate within the root zones of trees that are to be protected. Soil Profile Rebuilding can improve physical and biological characteristics of soil to allow for revegetation. Soil chemical problems, soil contamination from heavy metals, pathogens, or excessive debris or gravel shall be addressed separately.

1.2 Description of Procedure

The procedure includes a subsoling procedure, addition of organic matter in the form of compost, replacement or addition of topsoil, and subsequent planting with woody plants. The soil preparation portion of Soil Profile Rebuilding puts the components in place for restoration to characteristics similar to undisturbed soils, however, the complete restoration process requires root activity and occurs over many years. This technique may be appropriate for restoration of disturbed soils as defined by SITES™.

1.3 Expected Outcomes

Soil Profile Rebuilding may improve vegetation establishment, increase tree growth rates, increase soil permeability, enhance formation of aggregates in the subsoil, and enhance long-term soil carbon storage.

2. PROCEDURE

2.1 Location(s)

Profile Rebuilding shall occur on all soil areas that are to be vegetated that have been disturbed by trafficking or grading during construction or prior to construction. Soil areas that are not to be treated should be protected by permanent fencing during the construction period, and all access to these areas prohibited. A soil map delineating protected areas and areas to be treated shall be approved by the forestry inspector before grading or construction begins.

2.2 Sequencing

Profile Rebuilding shall occur after site disturbance is complete, including all vehicle and equipment trafficking, but before replacement of topsoil. Once profile rebuilding is complete, all traffic and equipment or materials storage on treated areas is prohibited, with the exception of foot traffic, for the purposes of planting or mulching. If topsoil is already present and is 4 inches or greater in depth, use the "modifications for pre-existing topsoil (2.6.2)."

2.3 Remove foreign materials

Remove all foreign materials resulting from construction operations, including oil drippings, stone, gravel, and other construction materials from the existing soil surface.

2.4 Application of Compost

Spread mature, stable compost to a 4 inch depth over compacted subsoil (see Section 3. Definitions for definition of compost).

2.5 Subsoiling

Subsoiling may be performed when soil is neither wet nor dry, if a shovel cannot be forced into the soil, it is too dry. If the surface is sticky or muddy, it is too wet. Use a mini-backhoe or similar equipment with a narrow (less than 24"), tined bucket to break up the compacted soil and incorporate the compost. Work backwards away from excavated soils so that treated soil is not trafficked by the equipment. Insert the bucket through the compost layer and into the subsoil to a depth of thirty-inches (36"), and raise a bucket of soil at least twenty-four inches above the soil surface.

Page 1 of 3

City of Rockville- NOVEMBER 2019

Page 2 of 3

City of Rockville- NOVEMBER 2019

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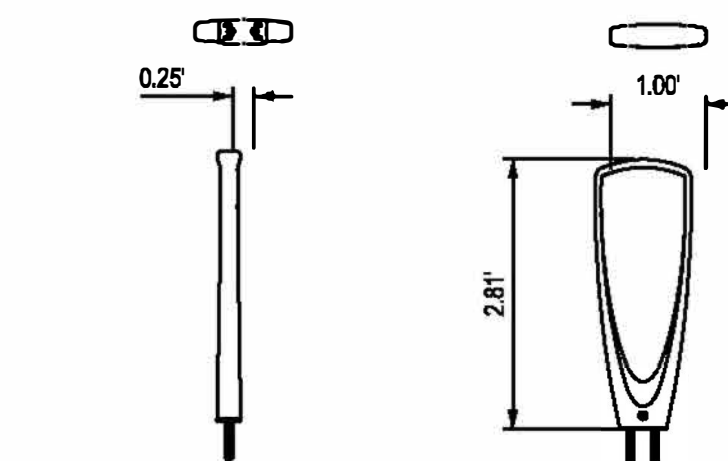
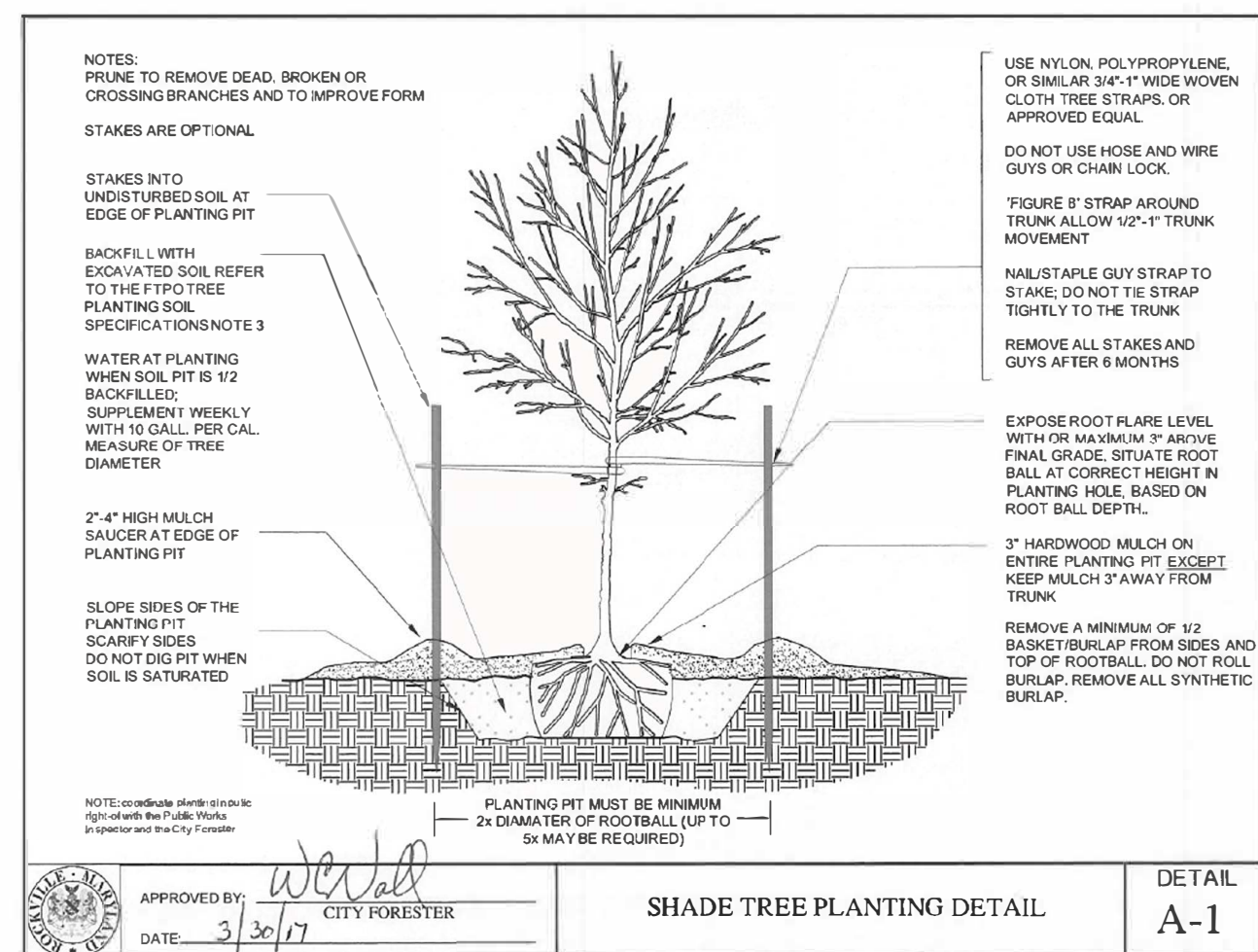
- Test existing soil to verify it has a pH range between 5.5 and 7, and a nutrient content which corresponds to an adequate rating, per current industry standards. If soil does not meet nutrient standards, one of two options will be performed to mitigate the soil:
 - Option 1 - Till Method- Depth of filling for planting must be at least twenty-four (24) inches:
 - Apply four (4) inches of mature compost evenly over the entire planting surface (4" = 12 cubic yards/1,000 s.f.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Till the compost into the existing soil to a minimum depth of twenty-four (24") inches.
 - Option 2 - Aeration and Vertical Mulching
 - Using a 2-3" Auger, drill a series of holes in the soil to a depth of twenty-four (24) inches.
 - Begin at the edge of the hole dug for the root ball and continue drilling at one-foot intervals (maximum), in concentric rings around the tree out to ten (10) feet from the tree.
 - Each hole must be refilled with mature compost.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
- Soil testing of the existing soil may be conducted with PRIOR approval from the City's Forestry Inspector to determine the number and location of the samples. The above requirements may be reduced if soil testing shows the following:
 - Soil pH is between 5.5 and 7
 - The top 24" of existing soil contains a minimum of 4-6% organic matter by weight
 - The soil is free of contaminants
 - The soil texture is sandy loam or loam
 - The soil has an infiltration rate not less than 1" per hour
 - The soil does not contain debris or stones greater than one inch
 - The soluble salt content is less than 3 dS/m
 - Consult the University of Maryland Extension website: <http://extension.umd.edu/> for a listing of commercial soil testing facilities.
- Soil preparation is required for street trees planted within the city's rights-of-way and private street trees, if they are part of the approved plan.

- The depths and grades shown on plan drawings are final grades after settlement and shrinkage of the organic material. The contractor shall install the soil mix at a higher level to anticipate this reduction of volume. All grades are assumed to be "as measured" to be prior to the addition of any surface compost till layer or mulch or sod
- All details of the planting plans regarding plant quality and proper planting will be discussed including but not limited to:
 - Plant quality.
 - Proper form for species.
 - Proper ratio of caliper size/height to container size/root ball size.
 - Proper pruning cuts if applicable in accordance with current ANSI A300 pruning standards (generally there should be no recent pruning).
 - No co-dominant stems or multiple trunks (unless approved by FCP or by the Forestry Inspector).
 - Sound graft union.
 - Free of girdling roots, or the ability to remove girdling roots without damaging the tree.
 - Trees shall be healthy, vigorous, insect/disease free, and without cankers/cracks or trunk damage.
- Proper installation
 - Root flare no higher than 3 inches from existing grade.
 - Exposed root flare (not graft); removing more than several inches of soil to expose the root flare may result in the rejection of the plant material.
 - Wire baskets/twine/burlap removed from at least the top half of root ball, or as directed by Forestry Inspector.
 - All burlap or twine removed completely.
 - No hose and wire, staking and strapping per City planting detail.
 - Planting hole a minimum of twice the width of the root ball; could be greater. Planting detail assumes soil has been prepared per the city's specifications (Planting, #3).
 - Mulched properly, per City planting detail.
 - Wildlife protection installed, if required; type approved by the Forestry Inspector.
- Trees not complying with the above requirements may be rejected at the discretion of the City Forestry Inspector.

Page 2 of 3

Page 3 of 3

- Compost shall be composed of leaves, yard waste, or food waste. Biosolid-based composts shall not be used. A compost sample with analysis shall be submitted for approval to the City Forestry Division before application. Stability refers to the rate of biological breakdown, measured by carbon dioxide release. Maturity refers to completeness of the aerobic composting process and suitability (lack of plant toxicity) as a plant growth media, often measured by ammonia release and by plant growth tests. Compost manufacturers that subscribe to the US Composting Council's testing program may document stability as compost testing 7 or below in accordance with TMECC 05.08-B, "Carbon Dioxide Evolution Rate". Maturity (suitability for plant growth) may be documented as compost testing greater than 80% in accordance with TMECC 05.05-A, "Germination and Vigor". Compost is considered mature and stable if it tests at 6.0 or higher on the Solvita Compost Maturity Index Rating, which is a combination of Carbon Dioxide and Ammonia Maturity Tests (test information and equipment available at www.solvita.com).
- Compost shall also:
 - Free of weed seeds.
 - Free of heavy metals or other deleterious contaminants.
 - Have a soluble salt content which is less than 3 dS/m.
- Severely Degraded Soil
 - Soil shall be considered severely degraded if grade was lowered or raised more than 14 inches OR soil was compacted in lifts regardless of the final grade OR was used as a staging area for construction materials, equipment or processes.
- SUBMITTALS
 - Soil Map
 - As soil map indicating soil areas to be protected and those to be restored via Soil Profile Rebuilding shall be submitted by the contractor for approval to the City Forestry Division before construction begins.
 - Compost
 - A compost sample with analysis certifying it is stable, mature, from acceptable feedstocks and free of contaminants and weed seeds shall be submitted for approval to the City Forestry Division before compost is applied to the soil.
 - Topsoil
 - A topsoil sample with analysis from a certified testing laboratory and verification of source shall be submitted for approval to the City Forestry Division before application. Separate documentation is required for each 100 cubic yards of topsoil unless otherwise approved by the City Forestry Division.
- REFERENCES & PERMISSIONS
 - Use of this specification has been documented to increase tree canopy and soil carbon stores compared with typical practices. See www.urbanforestry.frec.vt.edu/SRES for more information.
 - Soil Profile Rebuilding Specification by Susan Day et al. is licensed under a Creative Commons Attribution-NonCommercial 3.0 United States License. It may be used freely as is, or modified. However, use of the term "Soil Profile Rebuilding" should only be used when soil restoration is performed as described in this specification. See www.urbanforestry.frec.vt.edu/SRES/specification.html for full details.



BIKE RACK, TYP.

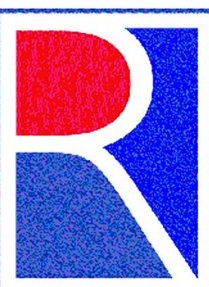
Manufacturer: Forms + Surfaces
Product Name: Trio Bike Rack
Model #: SKTRO-TD
Quantity: 5

Notes:
- Or approved equal



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Rockville, MD 20850
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www.solteszco.com

Engineering
Surveying
Planning
Environmental Sciences



MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1-800-297-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER / DEVELOPER / APPLICANT

TWINARD LIMITED PARTNERSHIP
C/O UNIVEST DEVELOPMENT LLC
8191 STRAWBERRY LANE, SUITE 3
FALL CHURCH, VA 22042-1032
(703) 698-4042

MICHAEL D. COLLIER

NOTES AND DETAILS

LANDSCAPE PLAN
TWINBROOK PLACE
12501 ARDENNES AVE
LOT 5, BLOCK E

CITY OF ROCKVILLE (4TH ELECTION DISTRICT), MONTGOMERY COUNTY, MARYLAND

TAX MAP	ZONING CATEGORY:
G063	MXE
WSOC 200' SHEET	SITE DATUM
216NW06	HORIZONTAL:
	VERTICAL:
DATE	DESIGNED:
8/31/2023	NC
TECHNICAL:	CHECKED:
NC	DHP
CAD STDS:	CONNECT /
VERSION:	NCS
PROJECT NO.	
1047-01-00	



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MINIMUM TREE COVER			
TRACT AREA SF	ZONING	MTC REQUIRED %	MTC SF REQUIRED
91040.4	MXE	15	13656.06

TREE COVER PROVIDED SF	NUMBER OF TREES	SF CREDIT PER TREE	TOTAL SF CREDIT
FORESTED AREA	N/A	N/A	N/A
EXISTING LANDSCAPE TREES	4	25% OF CRZ	2300
LARGE SHADE TREES	31	400	12400
LARGE EVERGREEN	0	400	0
SMALL SHADE/ORNAMENTAL	5	200	1000
SMALL EVERGREEN	15	200	3000
TOTAL SF			18700

CPDS has not received an FCP submittal from the applicant as of 10/23/2023. Please submit the FCP to CPDS with an FCP application and all required items. The FCP cannot be approved until the NRI/FSD is approved.

Community Planning & Development Services
Received
September 6, 2023

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- PROPOSED SHADE TREE
- EXISTING SHADE TREE
- EXISTING EVERGREEN TREES
- EXISTING ORNAMENTAL TREES
- FOREST CONSERVATION CREDIT
- SIGNIFICANT TREE REPLACEMENT
- EXISTING BUILDING
- EXISTING CONTOUR
- EXISTING LIGHTS
- EXISTING STORMDRAIN STRUCTURE
- EXISTING STORMDRAIN EASEMENT
- EXISTING FOREST CONSERVATION EASEMENT



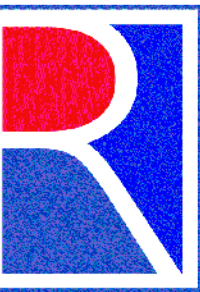
PROPOSED RESIDENTIAL APARTMENTS
(CONVERSION OF EXISTING OFFICE BUILDING)
- ADDITIONAL 3 STORIES
(10 STORIES)

SCALE: 1" = 20'



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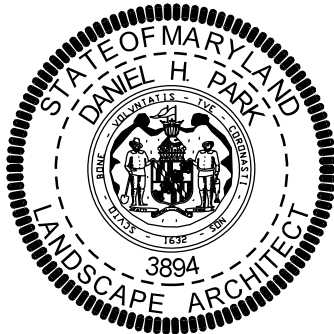
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FOREST CONSERVATION PLAN

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TWINBROOK PLACE

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LOT 5, BLOCK E

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G063

WSSC 200' SHEET
216NW06

DATE: 8/25/2023
DESIGNED: NC
TECHNICIAN: NC
CHECKED: DHP
CADD STD'S: CONNECT /
VERSION: NCS

SHEET
FCP-2

PROJECT NO.
1047-01-00



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REFERENCE
SHEET

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O



Forest and Tree Preservation Ordinance Notes

NOVEMBER 2019

SEQUENCE OF EVENTS

The permittee is responsible for strict adherence to the sequence and details as outlined. During each stage of the project, forestry staff may provide additional direction based on site conditions, unforeseen circumstances, or approved revisions.

PRE-CONSTRUCTION

- Permittee shall obtain a Forestry Permit (TFP) for the project and secure copies of the approved Forest Conservation Plan (FCP) for distribution to contractors. The Permittee is responsible for obtaining a Maryland Roadside Tree Permit if applicable. Contact Mass Utility at 1-800-257-1777.
- The Permittee must coordinate and schedule an onsite preconstruction meeting with the following attendees: Permittee, Construction Superintendent, Maryland LTESA Certified Arborist (if required by Forestry Department), the City Forestry Inspector, City Project Control Inspector. The limits of disturbance must be staked and flagged prior to the preconstruction meeting. No land disturbance shall occur prior to this meeting. This includes, but is not limited to, the installation of tree protection fencing, sediment control measures, clearing, grading and tree stress reduction measures. The limits of disturbance will be reviewed, and tree protection and tree care measures will be discussed.
- No land disturbance shall begin before stress reduction measures as indicated on the approved FCP, or otherwise directed by the Forestry Inspector. Measures not specified on the plan may be required as determined by the Forestry Inspector in consultation with the Permittee's MD LTESA Certified Arborist. Appropriate stress reduction measures may include, but are not limited to:
 - Root pruning
 - Crown reduction or pruning
 - Watering
 - Fertilizing
 - Surface mulching
 - Vertical mulching
 - Root aeration mowing
- A professional with the dual credentials of Maryland Department of Natural Resources Licensed Tree Expert (LITE) and International Society of Arboriculture Certified Arborist (ISA CA) must perform all stress reduction measures. Documentation of these qualifications may be required. The measures must be done in accordance with ANSI Standards for Tree Care Operations (A300) and other industry best management practices. Implementation of the stress reduction measures must be observed by the Forestry Inspector or written documentation, including photographs must be sent via mail or email to the City Forestry Inspector.
- Temporary tree protection devices, including signage, shall be installed per the approved Forest Conservation Plan, or as otherwise directed by the Forestry Inspector, and prior to any land disturbance. Tree protection fencing locations must be staked and flagged prior to the pre-construction meeting. The Forestry Inspector, in coordination with the City Sediment Control Inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. The Permittee must contact the Forestry Inspector to schedule a follow-up construction inspection after installing all tree protection measures and performing all stress reduction measures. Upon a satisfactory inspection by the Forestry Inspector and Sediment Control Inspector, a Notice to Proceed will be issued and clearing and grading can commence. Temporary tree protection devices may include:
 - Chain link fence (four feet high)
 - Super slip fence with wire strung between the support poles (minimum 4 feet high) with high visibility flagging
 - 34 gauge 2 inch x 4 inch welded wire fencing supported by steel 1 bar posts (minimum 4 feet high) with high visibility flagging
- The Permittee and contractor shall maintain the temporary tree protection devices for the duration of the project and the location must not be altered without prior approval of the Forestry Inspector. No equipment, trucks, materials, debris, or any other items may be stored within the tree protection fence areas during the entire construction project. No access beyond the fenced area will be permitted. Tree Protection fencing shall not be removed without prior approval of the Forestry Inspector.
- Long term tree protection devices/techniques, as shown on the FCP or as directed by the Forestry Inspector may include but are not limited to:
 - Root aeration systems
 - Retaining walls
 - Raised sidewalks
 - Turning of utilities
 - Pier and panel walls
 - Porous pavers

DURING CONSTRUCTION

- Periodic inspections at the discretion of the Forestry Inspector will occur during the construction project. Corrections and repairs to all tree protection devices and other protective measures, as determined by the Forestry Inspector, must be made within the timeframe established by the Forestry Inspector.
- The Permittee must immediately notify the Forestry Inspector of any damage to trees, forests, understory, ground cover, and any other undisturbed areas shown on the plan. Remedial actions to the restore these areas will be determined by the Forestry Inspector and the corrective actions must be made within the timeframe established by the Forestry Inspector.
- Failure to comply with the approved FCP or any directive of the City Forestry's office is a violation of the Forest and Tree Preservation Ordinance (FTPO). Pursuant to Sections 10.5-34 of the FTPO, a fine in the amount of \$1,000 may be imposed for each violation. Each day a violation continues is a separate violation. In addition, a stop work order may be issued until the violation has been stated and the fine has been paid or an appeal has been filed pursuant to Section 10.5-35 of the FTPO. Additional punitive measures as stated under Section 10.5-34 of the FTPO may be imposed.

POST CONSTRUCTION

- After construction is completed, the Permittee must request a final inspection in writing with the Forestry Inspector. At the final inspection, the Forestry Inspector may require additional corrective measures, which may include, but is not limited to:
 - Removal and replacement of dead and dying trees
 - Pruning of damaged, dead or declining limbs
 - Surface mulching
 - Soil aeration
 - Fertilization
 - Watering
 - Wound repair
 - Clean up of retention areas including trash removal
- After the final inspection and completion of all corrective measures the Forestry Inspector will request all temporary tree and forest protection devices be removed from the site. Removal of tree protection devices that also operate for erosion and sediment control must be coordinated with both the City Sediment Control Inspector and the Forest Conservation Inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.

INSTALLATION OF PLANT MATERIAL

- The Permittee is responsible for obtaining the approved Forest Conservation Plan/Landscape Plan and providing a copy to the Landscape Contractor. The Permittee shall ensure that the Landscape Contractor can secure the plants shown the FCP/Landscape Plan. Plant substitutions are not allowed. It is strongly recommended that plant material be secured from supplier by the project start date.

Page 2 of 6

- A pre-planting meeting is required before installation of landscaping, afforestation, or reforestation. The applicant must schedule an on-site pre-planting meeting with the City Forestry Inspector. Attendees must include the Permittee, landscape contractor, and Forestry Inspector. Trees and shrubs shall conform to the current edition of the American Standard for Nursery Stock (ANSI Z66.1).
- Comply with appropriate City Soil Specifications:
 - Soil Specification FOR TREE PLANTING WHERE EXISTING PAVEMENT OR OTHER IMPERVIOUS SURFACES WERE PREVIOUSLY LOCATED OR WHERE EXISTING GREENSPACE HAS BEEN SEVERELY DEGRADED¹
 - Site preparation
 - Demolish existing impervious surface and remove all existing asphalt, concrete, stone and construction materials to expose subsoil free of debris.
 - Excavate so that final planting bed will provide quality soil to a depth of forty eight (48) inches, and to a radius of 10' minimum or to new hard edge of planting bed, whichever is less.
 - Loosen exposed subsoil below 48" by ripping 18" into the sub grade elevation.
 - Test to ensure that planting bed drains at a rate of at least 1 inch per hour.
 - Install imported soil to fill excavated planting bed. Imported soil shall have a texture of LOAM, per the USDA soil classification system and a chemical composition compatible with healthy tree growth. When installing the soil, it should be installed in lifts or layers of < 12 inches (30 cm), tamping or watering foot both between lifts to minimize potential settling.
 - Immediately prior to installation of plant material, the soil must be tested and must have a pH range between 5.5 and 7 and a nutrient content which corresponds to an adequate rating, per current industry standards. Amend soil, if necessary, to achieve the current industry standard.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
 - Soil Specification FOR PLANTING WHERE EXISTING GREEN SPACE HAS NOT BEEN PROTECTED FROM CONSTRUCTION IMPACTS BUT IS NOT SEVERELY DEGRADED.
 - Site Preparation:
 - Remove all construction debris and top four to six inches of existing soil.
 - Test remaining existing soil to verify a pH range between 5.5 and 7, and a nutrient content which corresponds to an adequate rating, per current industry standards.
 - Apply four (5) inches of mature compost evenly over the entire planting surface. (4" = 12 Cubic Yards/1,000 sq. ft.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Fill the compost into the existing soil to a minimum depth of thirty six (36) inches using the city's soil profile rebuilding specification.
 - If soil does not meet nutrient standards, mitigate soil chemistry to meet the chemical parameters.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.

- Soil Specification FOR PLANTING WITHIN EXISTING GREEN SPACE AREAS WHICH HAVE BEEN PROTECTED FROM CONSTRUCTION IMPACTS (One of two options, as determined by Forestry Inspector) Refer to approved City of Rockville Detail A-7
 - Test existing soil to verify it has a pH range between 5.5 and 7, and a nutrient content which corresponds to an adequate rating, per current industry standards. If soil does not meet nutrient standards, one of two options will be performed to mitigate the soil.
 - Option 1: Till Method-Depth of tilling for planting must be at least twenty four (24) inches:
 - Apply four (5) inches of mature compost evenly over the entire planting surface (4" = 12 cubic yards/1,000 sq. ft.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Fill the compost into the existing soil to a minimum depth of twenty four (24) inches.
 - Option 2: Aeration and Vertical Mulching
 - Using a 2" - 3" Auger, drill a series of holes in the soil to a depth of twenty four (24) inches.
 - Begin at the edge of the hole dug for the root ball and continue drilling at one foot intervals (maximum). In concentric rings around the tree out to ten (10) feet from the tree.
 - Each hole must be refilled with mature compost.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
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1 See definitions section #9

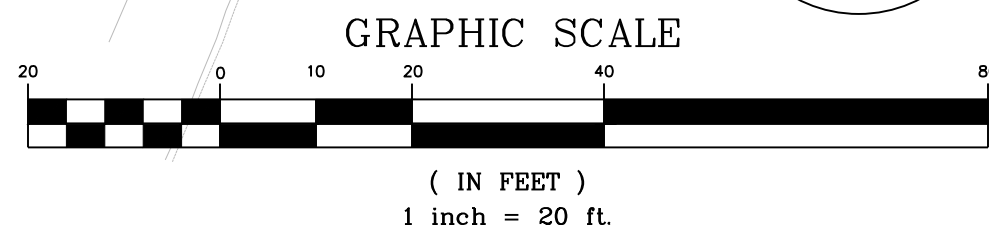
Page 3 of 6

- Soil testing of the existing soil may be conducted with PRIOR approval from the City's Forestry Inspector to determine the number and location of the samples. The above requirements may be reduced if soil testing shows the following:
 - Soil pH is between 5.5 and 7
 - The top 24" of existing soil contains a minimum of 4-6% organic matter by weight
 - The soil is free of contaminants
 - The soil texture is sandy loam or loam
 - The soil has an infiltration rate not less than 1" per hour
 - The soil does not contain debris or stones greater than one inch
 - The soluble salt content is less than 3 dS/m
 - Consult the University of Maryland Extension website: <http://extension.umd.edu/> for a listing of commercial soil testing facilities.

- Soil preparation is required for street trees planted within the city's rights-of-way and private street trees, if they are part of the approved plan.
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 - Soil preparation is required for street trees planted within the city's rights-of-way and private street trees, if they are part of the approved plan.
 - Soil testing of the existing soil may be conducted with PRIOR approval from the City's Forestry Inspector to determine the number and location of the samples. The above requirements may be reduced if soil testing shows the following:
 - Soil pH is between 5.5 and 7
 - The top 24" of existing soil contains a minimum of 4-6% organic matter by weight
 - The soil is free of contaminants
 - The soil texture is sandy loam or loam
 - The soil has an infiltration rate not less than 1" per hour
 - The soil does not contain debris or stones greater than one inch
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1. TOTAL TRACT AREA: 2.09 ACRES
2. TOTAL EXISTING FOREST: 0 ACRES
3. EXISTING 100-YEAR FLOODPLAIN: 0 ACRES
4. CURRENT ZONING: MIXED-USE EMPLOYMENT
5. WATERSHED: ROCK CREEK
6. THE PROPERTY IS NOT LOCATED WITHIN A MAPPED 100-YEAR FLOODPLAIN PER FEMA DIGITAL FLOOD INSURANCE RATE MAP, PANEL 24031C0353D
7. NO STREAMS ARE LOCATED ON OR WITHIN 100 FEET OF THIS PROPERTY
8. NO WETLANDS OR OTHER WATERS OF THE U.S. FEATURES ARE LOCATED ON OR WITHIN 50 FEET OF THIS PROPERTY.
9. NO RARE, THREATENED, OR ENDANGERED SPECIES WERE OBSERVED ON THE PROPERTY DURING THE SITE INVESTIGATION. A REQUEST TO THE MARYLAND DEPARTMENT OF NATURAL RESOURCES - WILDLIFE AND HERITAGE SERVICE WAS RETURNED WITH A RESPONSE OF NO FINDINGS, DATED JUNE 28, 2023.
10. DBH MEASURED WITH A FORESTER'S DBH TAPE AT 4.5 FT ABOVE GRADE UNLESS OTHERWISE NOTED.
11. NO STATE OR COUNTY CHAMPION TREES ARE LOCATED ON OR ADJACENT TO THE SITE.
12. THIS PROPERTY IS NOT IDENTIFIED IN A HISTORIC DISTRICT AND IS NOT A BUILDING OR STRUCTURE OF HISTORIC SIGNIFICANCE IN THE ROCKVILLE LOCALLY-DESIGNATED HISTORIC DISTRICTS DATABASE, ACCESSED 07/25/2023.
13. FIELD WORK PERFORMED BY LUIS YAÑEZ (ISA CERTIFIED ARBORIST PN-8778A, TRAQ) OF WETLAND STUDIES AND SOLUTIONS, INC. (WSSI) ON MAY 11, 2023.
14. SOILS DATA FROM DIGITAL DATA, U.S. DEPARTMENT OF AGRICULTURE.
15. NO NON-NATIVE INVASIVE SPECIES WERE NOTED ONSITE.
16. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. SOURCE INFORMATION FROM PLANS AND MARKINGS HAS BEEN COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES.

As of 10/23/2023, the NRI/FSD is under review. Please note that the Site Plan cannot be approved until an NRI/FSD is approved.



Horizontal Datum: MD NAD 83
Vertical Datum: NAD 88
Boundary and Topo Source:
Engineer

| | | |
|--------|-------|----------|
| Design | Draft | Approved |
| LY | LY | MK |

Sheet #
1

WSSI Project Number:
MD2228.01

12501 Ardennes Ave
City of Rockville, MD
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Studies and Solutions, Inc.[®]

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Millersville, Maryland 21108
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www.wetlands.com

L:\Maryland\Projects\MD02000s\MD02200\MD2228.01\CADD\05-ENVR\20230803 12501 ardennes MD2228.01.dwg 1 Plotted By: Yanez, Luis, 8/3/2023 9:08 AM

L:_Maryland Projects\MD2000s\MD2228\01\CADD\05-ENVR\20230803_12501_ardennes MD2228\01.dwg 2 Plotted By: Yanez, Luis, 8/3/2023 9:08 AM

| Tree # | DBH

(Diameter at 4.5 feet above
grade) | Common Name | Botanical Name | HEALTH | STRUCTURE | FORM | Condition Rating % | Condition Rating | Regulated
Status | Number of Stems | SRZ

Structural Critical Root
Zone (radius) in Feet | CRZ

Critical Root Zone Radius in
Feet (1.5 ft radius in DBH) | Condition Notes |
|--------|--|----------------------|-----------------------------|--------|-----------|------|--------------------|------------------|---------------------|-----------------|--|--|---|
| | | | | | | | | | | | | | |
| 242 | 6 | oak, northern red | Quercus rubra | 70% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Full Crown, Buried Root Collar |
| 243 | 10 | oak, northern red | Quercus rubra | 70% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | Full Crown, Small Dead Wood (1-2") |
| 244 | 10 | oak, northern red | Quercus rubra | 60% | 65% | 65% | 60% | Fair | | 1 | 5 | 15 | Full Crown, Stressed, chlorotic problem |
| 245 | 9 | maple, red | Acer rubrum | 70% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | Surface Roots, Girdling Roots, Root Damage/Decay |
| 246 | 10 | oak, northern red | Quercus rubra | 70% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | One Sided |
| 247 | 7 | redbud, eastern | Cercis canadensis | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 11 | One Sided, Buried Root Collar, Small Dead Wood (1-2") |
| 248 | 36 | tuliptree | Liriodendron tulipifera | 65% | 60% | 60% | 60% | Fair | Specimen | 1 | 16 | 54 | Surface Roots, Girdling Roots, Hardware |
| 249 | 7 | maple, red | Acer rubrum | 70% | 65% | 65% | 65% | Good | | 1 | 3 | 11 | Suppressed, Surface Roots |
| 250 | 8 | tuliptree | Liriodendron tulipifera | 70% | 70% | 70% | 70% | Good | | 1 | 4 | 12 | Full Crown |
| 251 | 8 | cherry, sweet | Prunus avium | 70% | 65% | 65% | 65% | Good | | 1 | 4 | 12 | Surface Roots |
| 252 | 20 | maple, red | Acer rubrum | 70% | 60% | 60% | 60% | Fair | Significant | 1 | 9 | 30 | Surface Roots, Girdling Roots |
| 253 | 12 | oak, northern red | Quercus rubra | 60% | 65% | 65% | 60% | Fair | Significant | 1 | 5 | 18 | Large Dead Wood (3"+), Small Dead Wood (1-2"), Low Vigor |
| 254 | 11 | tuliptree | Liriodendron tulipifera | 70% | 65% | 60% | 60% | Fair | | 1 | 5 | 17 | Small Dead Wood (1-2") |
| 255 | 13 | maple, red | Acer rubrum | 70% | 65% | 70% | 65% | Good | Significant | 1 | 6 | 20 | |
| 256 | 8 | blackgum | Nyssa sylvatica | 70% | 70% | 65% | 65% | Good | | 1 | 4 | 12 | Buried Root Collar, Small Dead Wood (1-2") |
| 257 | 8 | oak, northern red | Quercus rubra | 70% | 60% | 55% | 55% | Fair | | 1 | 4 | 12 | |
| 258 | 11 | cherry, sweet | Prunus avium | 70% | 60% | 65% | 60% | Fair | | 1 | 5 | 17 | Broken Limbs |
| 259 | 7 | maple, red | Acer rubrum | 70% | 70% | 65% | 65% | Good | | 1 | 3 | 11 | Surface Roots |
| 260 | 9 | cherry, sweet | Prunus avium | 70% | 70% | 70% | 70% | Good | | 1 | 4 | 14 | |
| 261 | 20 | pine, eastern white | Pinus strobus | 65% | 60% | 60% | 60% | Fair | Significant | 1 | 9 | 30 | |
| 262 | 10 | maple, red | Acer rubrum | 70% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | Surface Roots, Vines |
| 263 | 9 | cherry, sweet | Prunus avium | 65% | 65% | 60% | 60% | Fair | | 1 | 4 | 14 | Surface Roots, Small Dead Wood (1-2") |
| 264 | 13 | oak, white | Quercus alba | 65% | 65% | 60% | 60% | Fair | Significant | 1 | 6 | 20 | Root Damage/Decay, Small Dead Wood (1-2") |
| 265 | 6 | tuliptree | Liriodendron tulipifera | 70% | 60% | 60% | 60% | Fair | | 1 | 3 | 9 | Suppressed, Buried Root Collar |
| 266 | 20 | maple, red | Acer rubrum | 60% | 65% | 65% | 60% | Fair | Significant | 1 | 9 | 30 | Surface Roots, Root Damage/Decay, Small Dead Wood (1-2") |
| 267 | 35 | tuliptree | Liriodendron tulipifera | 70% | 65% | 65% | 65% | Good | Specimen | 1 | 16 | 53 | Small Dead Wood (1-2"), old tag 574 |
| 268 | 17 | tuliptree | Liriodendron tulipifera | 65% | 65% | 65% | 65% | Good | Significant | 1 | 8 | 26 | Surface Roots, Root Damage/Decay, Small Dead Wood (1-2") |
| 269 | 26 | tuliptree | Liriodendron tulipifera | 70% | 65% | 65% | 65% | Good | Significant | 1 | 12 | 39 | Old tag 751 |
| 270 | 8 | redbud, eastern | Cercis canadensis | 65% | 60% | 65% | 60% | Fair | | 1 | 4 | 12 | One Sided, Suppressed, Co-Dominant Stems, Small Dead Wood (1-2"), DBH at 3' |
| 271 | 8 | oak, northern red | Quercus rubra | 60% | 60% | 60% | 60% | Fair | | 1 | 4 | 12 | Suppressed, Small Dead Wood (1-2") |
| 272 | 7 | redbud, eastern | Cercis canadensis | 50% | 60% | 60% | 50% | Fair | | 1 | 3 | 11 | Surface Roots, Girdling Roots, Low Vigor |
| 273 | 10 | maple, red | Acer rubrum | 65% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | Surface Roots |
| 274 | 13 | cherry, sweet | Prunus avium | 65% | 65% | 65% | 65% | Good | Significant | 1 | 6 | 20 | Surface Roots, Small Dead Wood (1-2") |
| 275 | 9 | maple, red | Acer rubrum | 65% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | |
| 276 | 10 | elm, American | Ulmus americana | 70% | 60% | 65% | 60% | Fair | | 1 | 5 | 15 | Suppressed, Surface Roots, Co-Dominant Stems |
| 277 | 10 | oak, northern red | Quercus rubra | 60% | 65% | 65% | 60% | Fair | | 1 | 5 | 15 | Small Dead Wood (1-2") |
| 278 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar |
| 279 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar |
| 280 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar, DBH at 3.5' |
| 281 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar, DBH AT 4' |
| 282 | 7 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 11 | Buried Root Collar, Broken Limbs |
| 283 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar, Small Dead Wood (1-2") |
| 284 | 7 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 11 | Buried Root Collar, Small Dead Wood (1-2") |
| 285 | 6 | lilac, Japanese tree | Syringa reticulata | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 9 | Buried Root Collar, Small Dead Wood (1-2") |
| 286 | 9 | crapemyrtle, common | Lagerstroemia indica | 65% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | Co-Dominant Stems, DBH at base |
| 287 | 9 | crapemyrtle, common | Lagerstroemia indica | 65% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | Co-Dominant Stems, DBH at base |
| 288 | 11 | crapemyrtle, common | Lagerstroemia indica | 65% | 65% | 65% | 65% | Good | | 1 | 5 | 17 | Co-Dominant Stems, DBH at 3' |
| 289 | 10 | cherry/plum spp. | Prunus spp. | 65% | 50% | 65% | 50% | Fair | | 1 | 5 | 15 | Co-Dominant Stems, Small Dead Wood (1-2"), Stressed, DBH at 3' |
| 290 | 10 | cherry/plum spp. | Prunus spp. | 65% | 60% | 65% | 60% | Fair | | 1 | 5 | 15 | Girdling Roots, Co-Dominant Stems, DBH at 3' |
| 291 | 9 | cherry/plum spp. | Prunus spp. | 65% | 60% | 65% | 60% | Fair | | 1 | 4 | 14 | Broken Limbs |
| 292 | 13 | cypress, Leyland | x Cupressocyparis leylandii | 70% | 65% | 65% | 65% | Good | Significant | 1 | 6 | 20 | Suppressed, Buried Root Collar, Broken Limbs |
| 293 | 12 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 65% | 60% | Fair | Significant | 1 | 5 | 18 | Suppressed, Buried Root Collar, Broken Limbs |
| 294 | 13 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 65% | 60% | Fair | Significant | 1 | 6 | 20 | Suppressed, Buried Root Collar, Broken Limbs |
| 295 | 12 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 60% | 60% | Fair | Significant | 1 | 5 | 18 | Suppressed, Excessive Lean, Buried Root Collar, Broken Limbs |
| 296 | 14 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 60% | 60% | Fair | Significant | 1 | 6 | 21 | Suppressed, Buried Root Collar, Mechanical Damage, Broken Limbs |
| 297 | 12 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 60% | 60% | Fair | Significant | 1 | 5 | 18 | Buried Root Collar, Broken Limbs |
| 298 | 12 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 60% | 60% | Fair | Significant | 1 | 5 | 18 | Buried Root Collar, Broken Limbs |
| 299 | 7 | cypress, Leyland | x Cupressocyparis leylandii | 65% | 60% | 60% | 60% | Fair | | 1 | 3 | 11 | Suppressed, Buried Root Collar, Broken Limbs |
| 86 | 9 | oak, swamp white | Quercus bicolor | 65% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | One Sided |
| 87 | 9 | oak, swamp white | Quercus bicolor | 65% | 65% | 65% | 65% | Good | | 1 | 4 | 14 | Narrow Crown |
| 88 | 10 | oak, swamp white | Quercus bicolor | 65% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | Narrow Crown, Co-Dominant Stems |
| 89 | 10 | oak, swamp white | Quercus bicolor | 65% | 65% | 65% | 65% | Good | | 1 | 5 | 15 | Narrow Crown, Co-Dominant Stems |
| 90 | 7 | oak, swamp white | Quercus bicolor | 65% | 65% | 65% | 65% | Good | | 1 | 3 | 11 | Narrow Crown, Co-Dominant Stems |
| 91 | 6,4,3 | locust, black | Robinia pseudoacacia | 65% | 60% | 65% | 60% | Fair | | 3 | 4 | 12 | Suppressed, Co-Dominant Stems |

Offsite trees

| Tree # | DBH

(Diameter at 4.5 feet above
grade) | Common Name | Botanical Name | HEALTH | STRUCTURE | FORM | Condition Rating % | Condition Rating | Regulated
Status | Number of Stems | SRZ

Structural Critical Root Zone
(radius) in Feet | CRZ

Critical Root Zone Radius in
Feet (1.5 ft radius in DBH) | Condition Notes |
|--------|--|---------------|-----------------|--------|-----------|------|--------------------|------------------|---------------------|-----------------|--|--|---|
| | | | | | | | | | | | | | |
| 300 | 12, 12, 4, 4 | boxelder | Acer negundo | 55% | 45% | 50% | 45% | Fair | Significant | 4 | 8 | 27 | Offsite, Co-Dominant Stems, Small Deadwood (1-2"), Broken Limbs |
| 85 | 9,9 | cherry, black | Prunus serotina | 65% | 60% | 65% | 60% | Fair | Significant | 2 | 6 | 19 | Offsite, Co-Dominant Stems, Small Dead Wood (1-2"), Vines |

| RESOURCE DATA
TABLE (INFORMATION
TO BE SHOWN IS SQUARE
FEET) | TOTAL AREA | IMPACTED AREA | NOT IMPACTED | AFFORESTATION
OR
REFORESTATION | CLEARED
FOREST |
|---|------------|---------------|--------------|--------------------------------------|-------------------|
| | | | | | |
| PRIORITY FOREST | 0 | | | | |
| NON-PRIORITY FOREST | 0 | | | | |
| FORESTED WETLAND | 0 | | | | |
| NON-FORESTED WETLAND | 0 | | | | |
| FORESTED FLOODPLAIN | 0 | | | | |
| NON-FORESTED FLOODPLAIN | 0 | | | | |
| FORESTED STREAM VALLEY BUFFER | 0 | | | | |
| NON-FORESTED STREAM VALLEY | 0 | | | | |

| NRI/FSD TABULATION TABLE | |
|------------------------------------|------|
| ACREAGE OF TRACT: | 2.09 |
| ACREAGE OF EX. FOREST: | 0 |
| ACREAGE OF EXISTING WETLANDS: | 0 |
| ACREAGE OF FORESTED WETLANDS: | 0 |
| ACREAGE OF WETLAND BUFFERS: | 0 |
| ACREAGE OF STREAM BUFFERS: | 0 |
| ACREAGE OF FORESTED STREAM BUFFER: | 0 |
| ACREAGE OF 100 YEAR FLOODPLAIN: | 0 |
| LINEAR EXTENT OF STREAMS: | 0 |
| AVERAGE WIDTH OF STREAM BUFFER: | 0 |

| MINIMUM TREE COVER | | | |
|--------------------|--------|----------------|-----------------|
| TRACT AREA SF | ZONING | MTC REQUIRED % | MTC SF REQUIRED |
| 91226.9 | MXE | 15 | 13684.035 |

GENERAL NOTE:

TREE ASSESSMENT CONDUCTED ACCORDING TO THE GUIDELINES PRESENTED IN "THE GUIDE FOR PLANT APPRAISAL, 10TH ED., REVISED" BY THE COUNCIL OF TREE AND LANDSCAPE APPRAISERS.

TREES ≤ 6 IN. WERE NOT ASSESSED BY WSSI.

CITY OF ROCKVILLE FOREST CONSERVATION WORKSHEET February 2010

NET TRACT AREA:

A. Total tract area ...2.09

B. Deductions (land dedication not in construction on this plan, other deductions - specify)0.00

C. Net Tract Area=2.09

LAND USE CATEGORY:

ZONING: R-400, R-200 R-90, R-75, RMD10, I-L, I-H, RPR, RPC, Park

Place a "1" 20%A, 30%C R-60, R-150 RMD15, MXT, MXC, MXNC, 15%A, 25%C RMD25, MXB, MXE, MXCD, 15% A&C MXTD 15%A&C 15%A, 20%C

under the column corresponding to the correct zone of the site

Zone: 0 0 0 1 0

(choose only one)

D. Afforestation Threshold ...15% x F = 0.31

E. Conservation Threshold ...15% x F = 0.31

EXISTING FOREST COVER:


F. Existing forest cover (within net tract)=0.00

G. Area of forest above conservation threshold=0.00

BREAK EVEN POINT:

H. Breakeven Point (amount of forest retained so that no mitigation is required)....=0.00

I. Clearing permitted without mitigation=0.00



Wes Moore, Governor
Aruna Miller, Lt. Governor
Josh Kurtz, Secretary
David Goshorn, Deputy Secretary

June 28, 2023

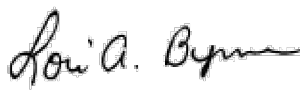
Mr. Luis Yanez
Wetland Studies and Solutions, Inc.
1131 Benfield Boulevard
Suite L
Millersville, MD 21108

RE: Environmental Review for 12501 Ardennes Avenue, Rockville, Montgomery County, Maryland.

Dear Mr. Yanez:

The Wildlife and Heritage Service has no official records for State or Federal listed, candidate, proposed, or rare plant or animal species within the project area shown on the map provided. As a result, we have no specific concerns regarding potential impacts to such species or recommendations for protection measures at this time. If the project changes in the future such that the limits of proposed disturbance or overall site boundaries are modified, please provide us with revised project maps and we will provide you with an updated evaluation.

Thank you for allowing us the opportunity to review this project. If you should have any further questions regarding this information, please contact me at lori.byrne@maryland.gov or at (410) 260-8573.

Sincerely,

Lori A. Byrne,
Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources

ER# 2023.0885.mo


Tawes State Office Building – 580 Taylor Avenue – Annapolis, Maryland 21401
410-260-8DNR or toll free in Maryland 877-620-8DNR – dnr.maryland.gov – TTY Users Call via the Maryland Relay

QUALIFIED PROFESSIONAL CERTIFICATION

THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF CITY OF ROCKVILLE'S CODE AND THE ENVIRONMENTAL STANDAR

SIGNED: Luis Yanez DATE:07/25/2023

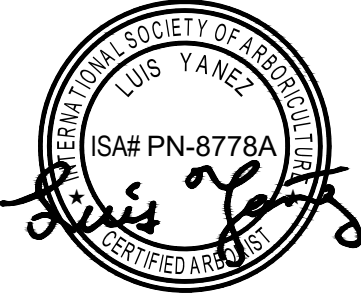
LUIS YANEZ
WETLAND STUDIES AND SOLUTIONS, INC.
1131 BENFIELD BOULEVARD, SUITE L
MILLERSVILLE, MD 21108
PH: (703) 679-5791 FAX: (410) 672-5993
E-MAIL: LYANEZ@WETLANDS.COM



1131 Benfield Boulevard • Suite L
Millersville, Maryland 21108
Phone: 410-672-5990 • Fax: 410-672-5993
www.wetlands.com

Simplified Natural Resources Inventory / Forest Stand Delineation (NRI/FSD) Plan Table View

12501 Ardennes Ave
City of Rockville, MD
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SA# PN-8778A

REVISIONS

| No. | Date | Description | Rev. By | App. By |
|-----|------|-------------|---------|---------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

DATE: 7/28/2023 SCALE: As Noted C.L.:----

Horizontal Datum: MD NAD 83

Vertical Datum: NAD 88

Boundary and Topo Source: Engineer ----

| Design | Draft | Approved |
|--------|-------|----------|
| LY | LY | MK |

Sheet #
2

WSSI Project Number: MD2228.01

| TWINBROOK - BUILDING TABULATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|----------------|-------|-------------|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|--------|----------------|------------|-------|----------------|------------|---|---|---|
| UNIT TYPE | | | | | | | | | | | | | | | | | | MIX | | | TARGET MIX | | | | | | |
| | | | | B4 | B3 | B2 | B1 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | ROOF | TOTAL | Units Per Type | Average SF | % | Units Per Type | Average SF | % | | |
| S1 | STUDIO | 511 | Net Sq. Ft. | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 6 | 20 | 577.80 | 11.0% | | | | | |
| S1m1 | STUDIO | 490 | Net Sq. Ft. | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | | | | | | | |
| S1m2 | STUDIO | 474 | Net Sq. Ft. | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| S2 | STUDIO | 682 | Net Sq. Ft. | | | | | | | 2 | | | | | | | | | 6 | | | | | | | | |
| S2m1 | STUDIO | 660 | Net Sq. Ft. | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 3 | | | | | | | | |
| A1 | 1BR, 1BA | 582 | Net Sq. Ft. | | | | | | | 0 | 2 | 2 | 2 | 2 | 2 | 2 | | | 12 | 18 | 572.33 | 9.9% | | | | | |
| A1m1 | 1BR, 1BA | 553 | Net Sq. Ft. | | | | | | | | | | | | | 2 | 2 | 2 | 6 | | | | | | | | |
| A2 | 1BR, 1BA | 618 | Net Sq. Ft. | | | | | | | | | | | | | | | | 7 | 68 | 753.54 | 37.6% | | | | | |
| A2m1 | 1BR, 1BA | 590 | Net Sq. Ft. | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 3 | |
| A3 | 1BR, 1BA | 686 | Net Sq. Ft. | | | | | | | | | | | | | | | | 7 | | | | | | | | |
| A3m1 | 1BR, 1BA | 653 | Net Sq. Ft. | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 3 | |
| A4 | 1BR, 1BA | 705 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | | | | | | | | |
| A4m1 | 1BR, 1BA | 674 | Net Sq. Ft. | | | | | | | | | | | | | | | | 0 | | | | | | | | |
| A4m2 | 1BR, 1BA | 651 | Net Sq. Ft. | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 4 | |
| A5 | 1BR, 1BA | 793 | Net Sq. Ft. | | | | | | | | | | | | | | | | 7 | | | | | | | | |
| A5m1 | 1BR, 1BA | 750 | Net Sq. Ft. | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 3 | |
| A6 | JR/1BR, 1BA | 828 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 6 | |
| A6m1 | JR/1BR, 1BA | 806 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 3 | |
| A6m2 | JR/1BR, 1BA | 859 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 6 | |
| A6m3 | JR/1BR, 1BA | 837 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 3 | |
| A7 | 1BR, 1BA | 883 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 7 | |
| A7m1 | 1BR, 1BA | 839 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 3 | |
| C1 | 2BR, 2BA | 937 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | 50 | 1,057.64 | 27.6% | | | | | |
| C1m1 | 2BR, 2BA | 858 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| C2 | 2BR, 2BA | 932 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | | | | | | | | |
| C2m1 | 2BR, 2BA | 888 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| C3 | 2BR, 2BA | 1,047 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | | | | | | | | |
| C3m1 | 2BR, 2BA | 996 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| C4 | 2BR, 2BA | 1,221 | Net Sq. Ft. | | | | | | | | | | | | | | | | 13 | | | | | | | | |
| C4m1 | 2BR, 2BA | 1,128 | Net Sq. Ft. | | | | | | | | | | | | | | | 2 | 2 | | | | | | | 2 | 6 |
| C4m2 | 2BR, 2BA | 1,051 | Net Sq. Ft. | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| C5 | 2BR, 1BA | 1,156 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| D1 | 2BR, 1BA + DEN | 1,270 | Net Sq. Ft. | | | | | | | | | | | | | | | | 7 | 16 | 1,301.31 | 8.8% | | | | | |
| D2 | 2BR, 1BA + DEN | 1,400 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | | | | | | | | |
| D3 | 2BR, 1BA + DEN | 1,177 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| E1 | 3BR, 2BA | 1,375 | Net Sq. Ft. | | | | | | | | | | | | | | | | 6 | 9 | 1,339.00 | 5.0% | | | | | |
| E1m1 | 3BR, 2BA | 1,267 | Net Sq. Ft. | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 3 |
| Units Per Floor | | | | 101919191919191919191919 | | | | | | | | | | | | | 181 | | 877.64 | 100.0% | | | | | | | |
| Net Area Per Floor | | | | | | | | | | | | | | | | | 158,853 | | | | | | | | | | |
| Circulation/Mech | | | | | | | | | | | | | | | | | 775 | | | | | | | | | | |
| Lobby / Leasing / Amenity | | | | | | | | | | | | | | | | | 13,378 | | | | | | | | | | |
| Gross Area Per Floor | | | | | | | | | | | | | | | | | 206,486 | | | | | | | | | | |
| Average Net Area per unit | | | | | | | | | | | | | | | | | 878 | | | | | | | | | | |
| Average Gross Area per unit | | | | | | | | | | | | | | | | | 1,141 | | | | | | | | | | |
| Building Efficiency | | | | | | | | | | | | | | | | | 76.9% | | | | | | | | | | |
| Parking Garage Area (Gross) | | | | 6,55751,61351,61350,112 | | | | | | | | | | | | | 159,895 | | | | | | | | | | |
| Gross Area per Space | | | | | | | | | | | | | | | | | 430 | | | | | | | | | | |
| Existing garage Parking Total | | | | 2013713694 | | | | | | | | | | | | | 387 | | | | | | | | | | |
| Proposed garage parking total | | | | 2013613581 | | | | | | | | | | | | | 372 | | | | | | | | | | |
| Surface parking total | | | | 51 | | | | | | | | | | | | | 51 | | | | | | | | | | |
| Parking Ratio | | | | | | | | | | | | | | | | | 2.34 | | | | | | | | | | |

Are parking requirements still being met?



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BUILDING TABULATIONS

SCHEMATIC DESIGN

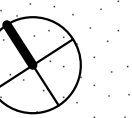
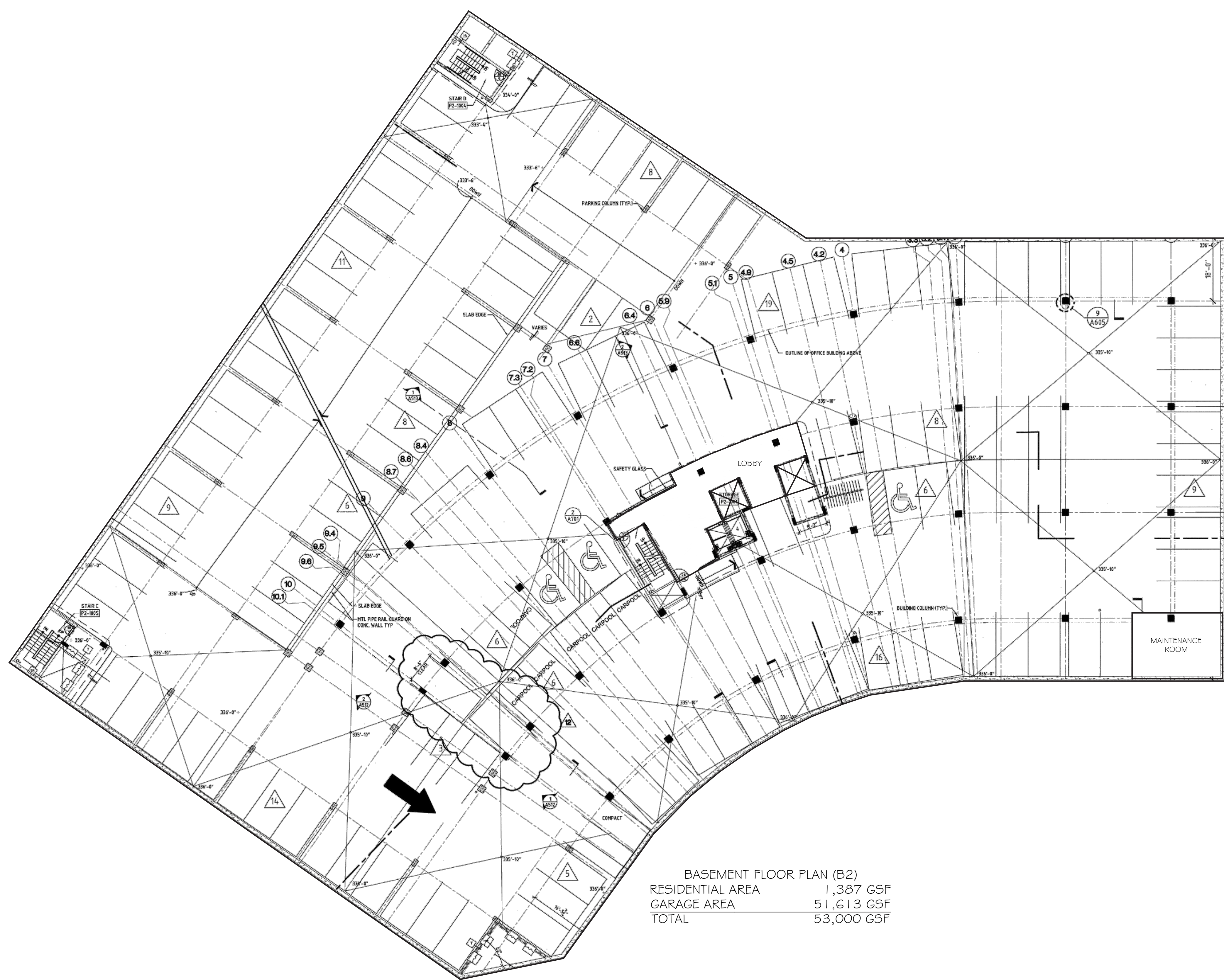
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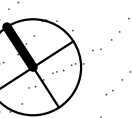
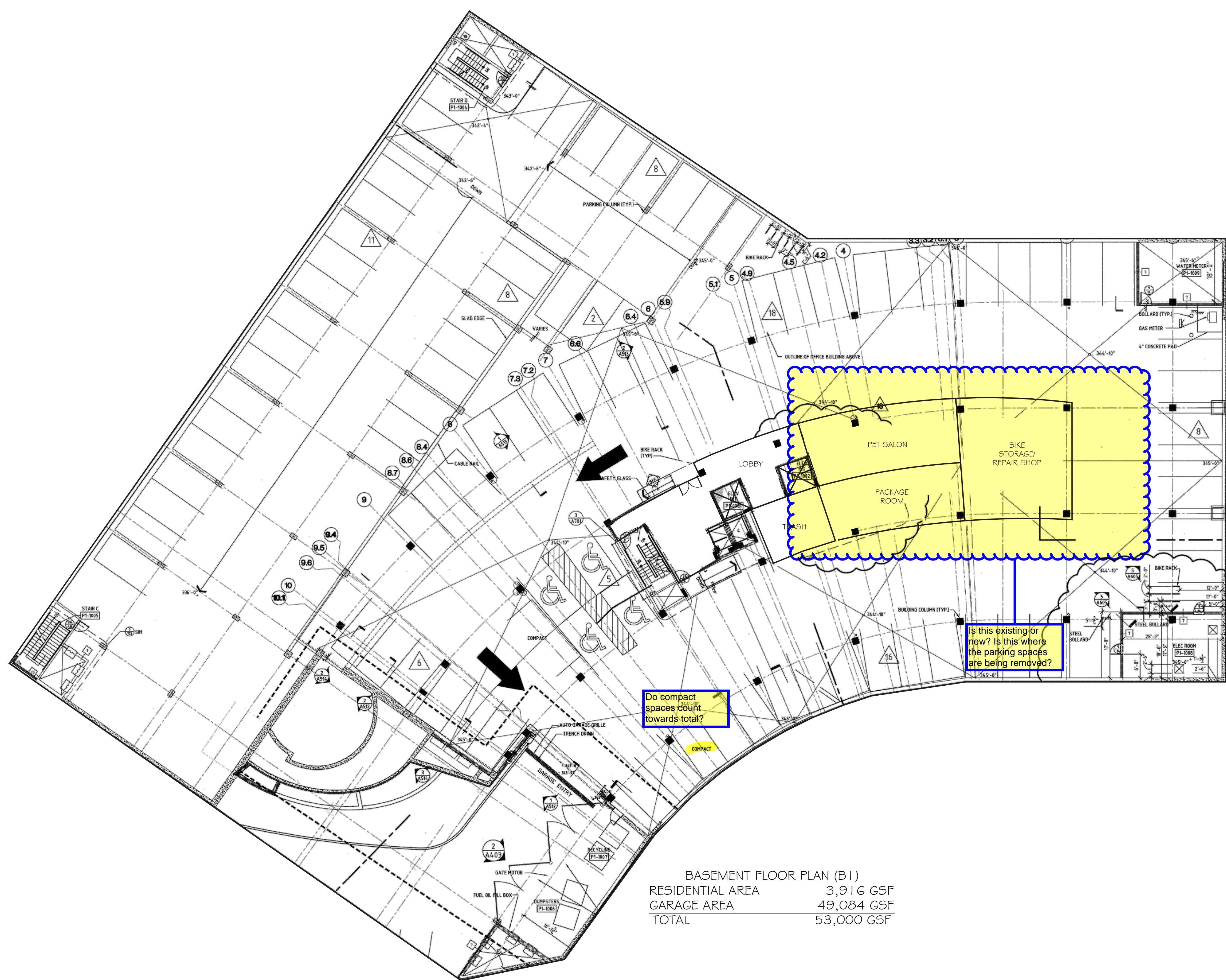
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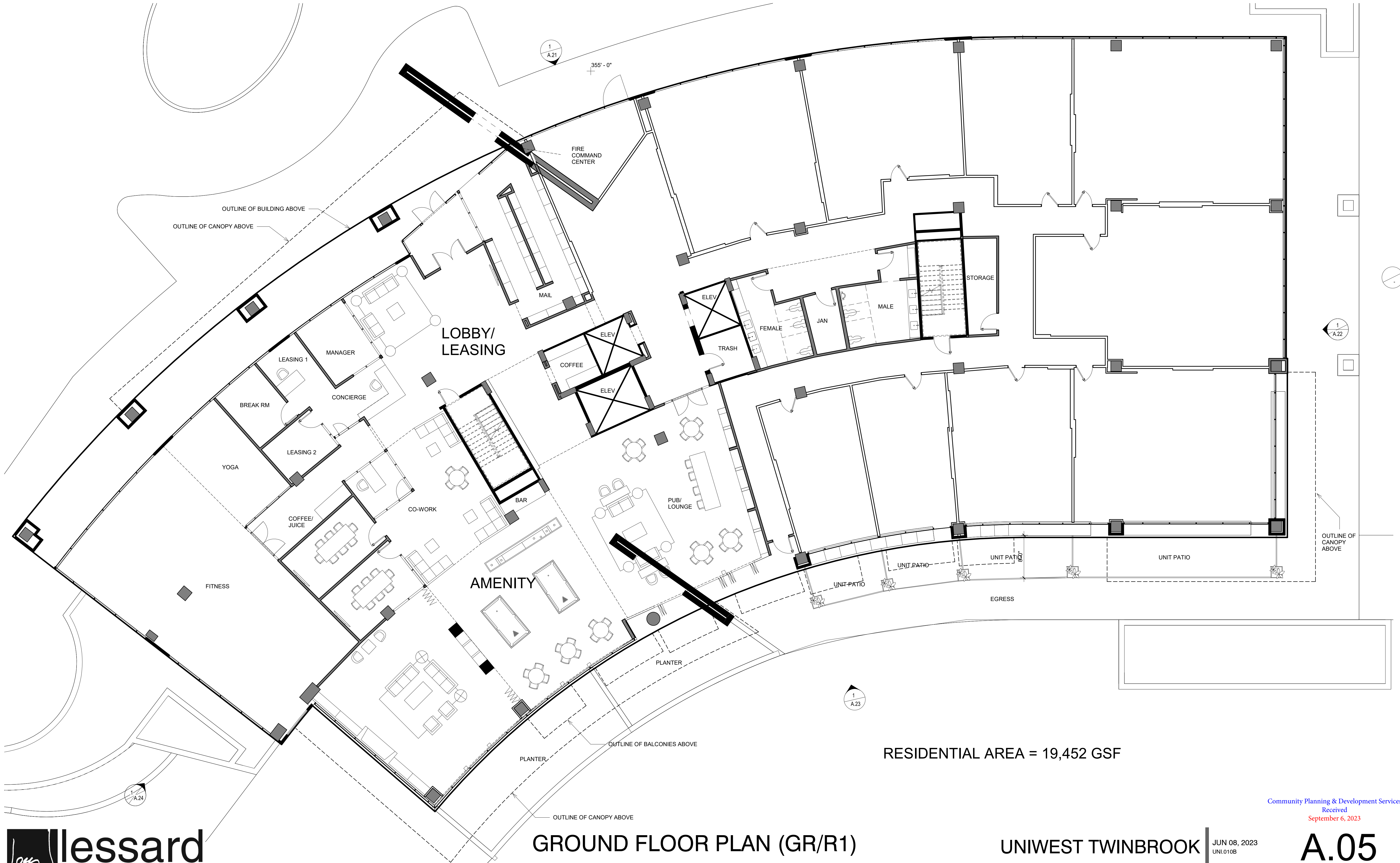
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JUN 08, 2023
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GROUND FLOOR PLAN (GR/R1)

SCHEMATIC DESIGN

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RESIDENTIAL AREA = 19,452 GSF

UNIWEST TWINBROOK

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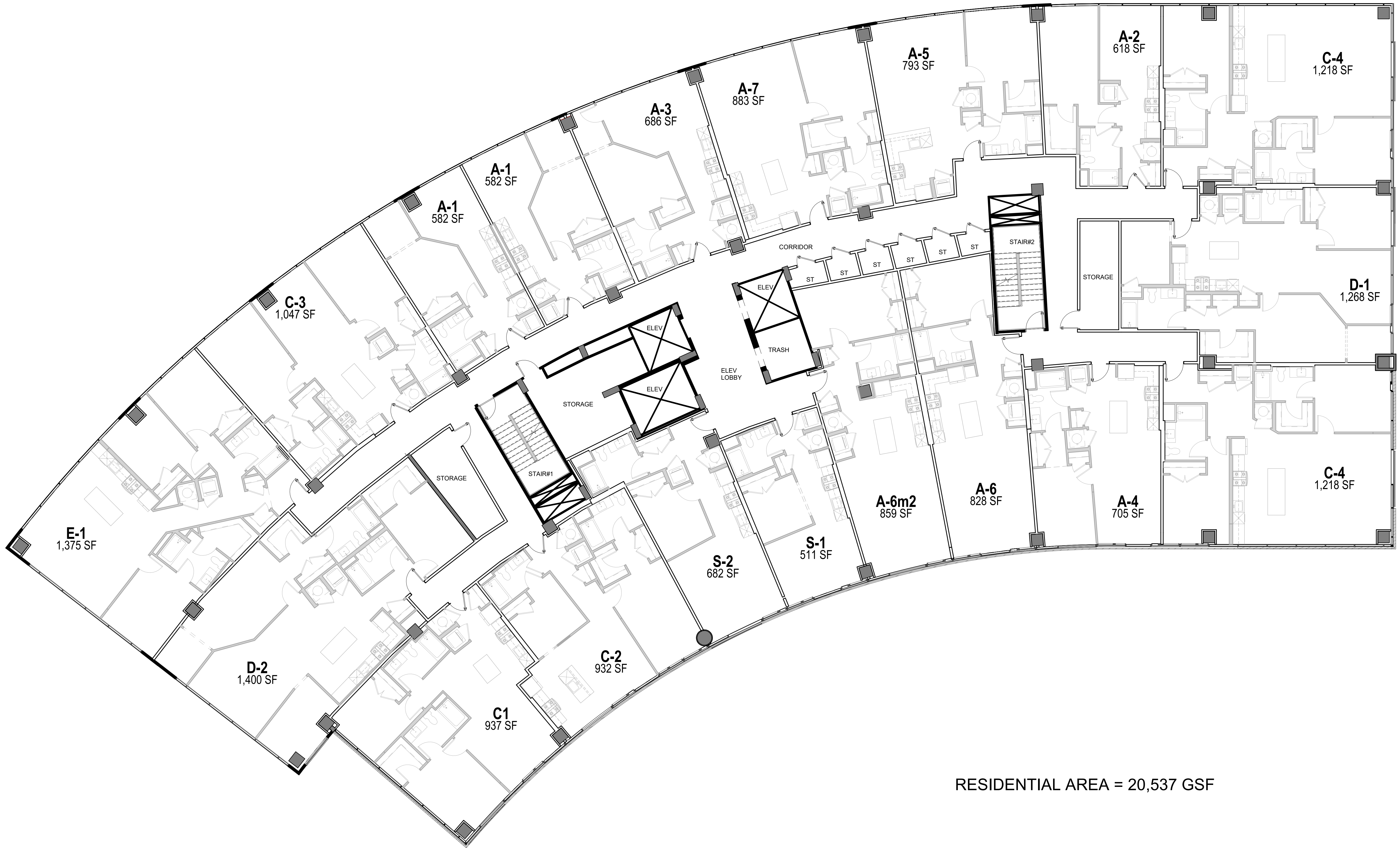
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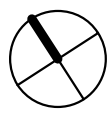
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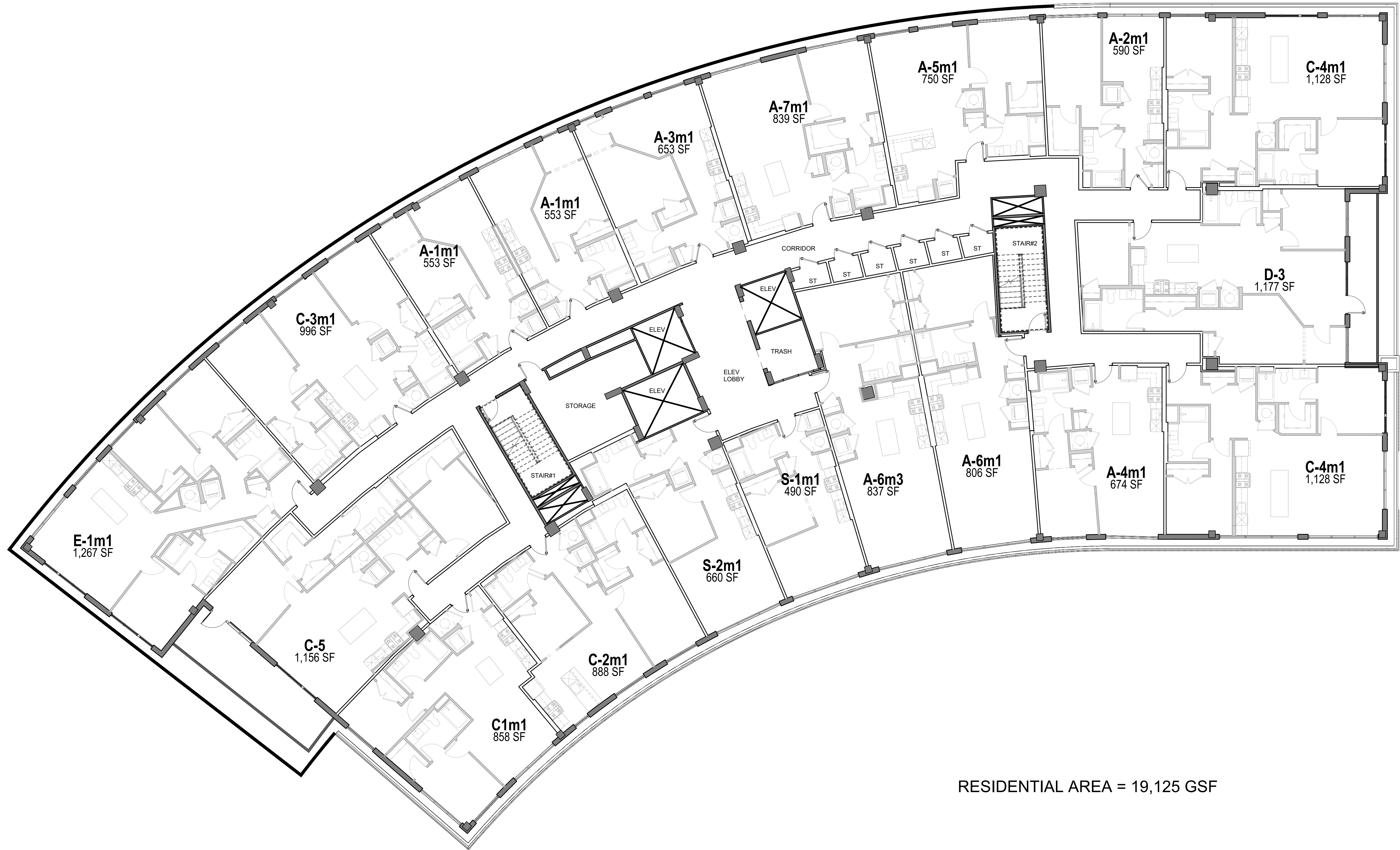
A.05

Community Planning & Development Services
Received
September 6, 2023



RESIDENTIAL AREA = 20,537 GSF





RESIDENTIAL AREA = 19,125 GSF



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TYPICAL RESIDENTIAL FLOOR PLAN (R8-R10)

SCHEMATIC DESIGN

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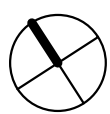
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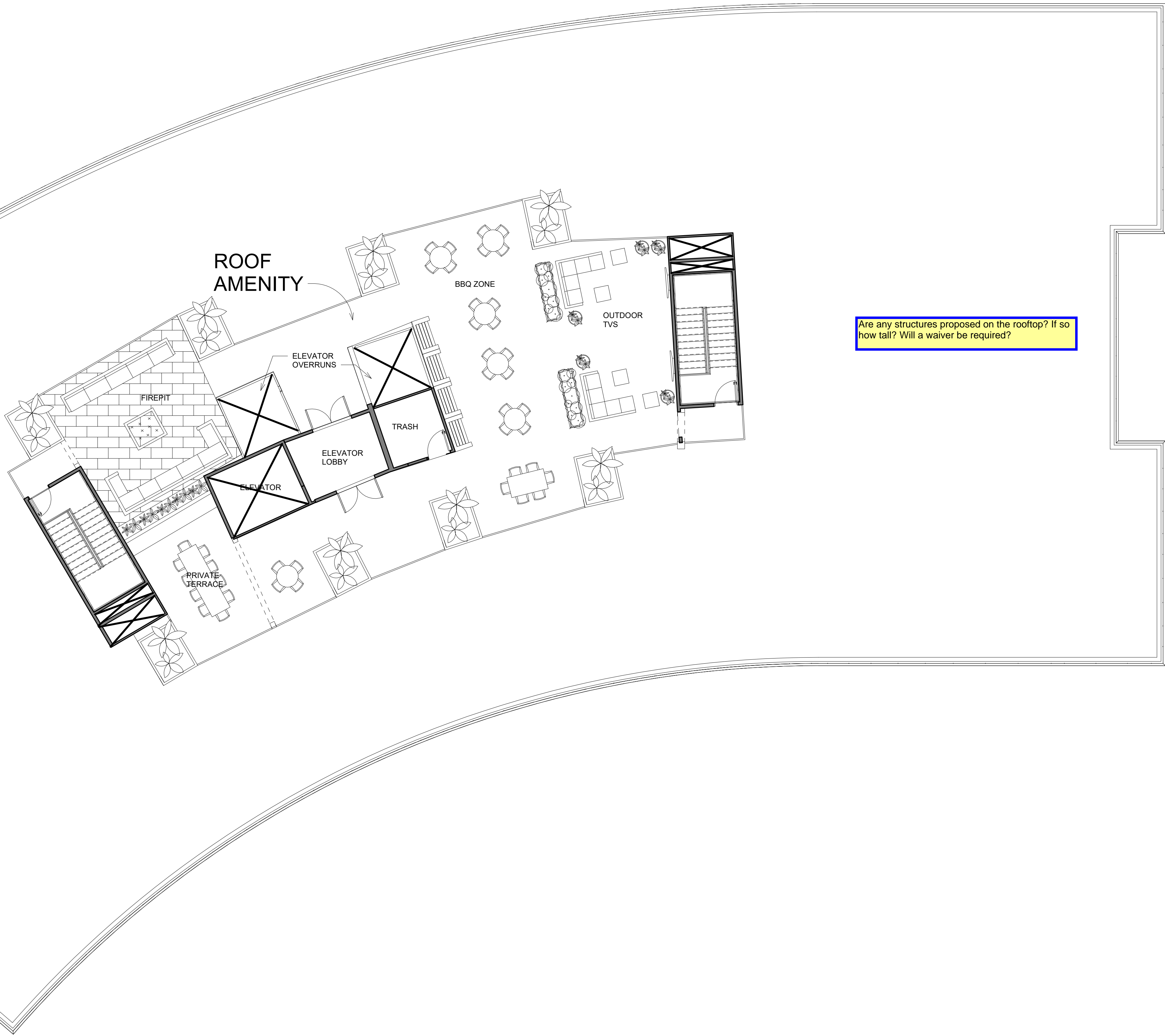
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0' 4' 8' 16'
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ROOF PLAN

SCHEMATIC DESIGN

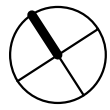
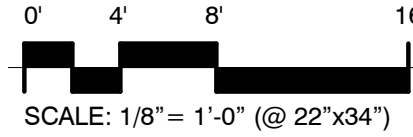
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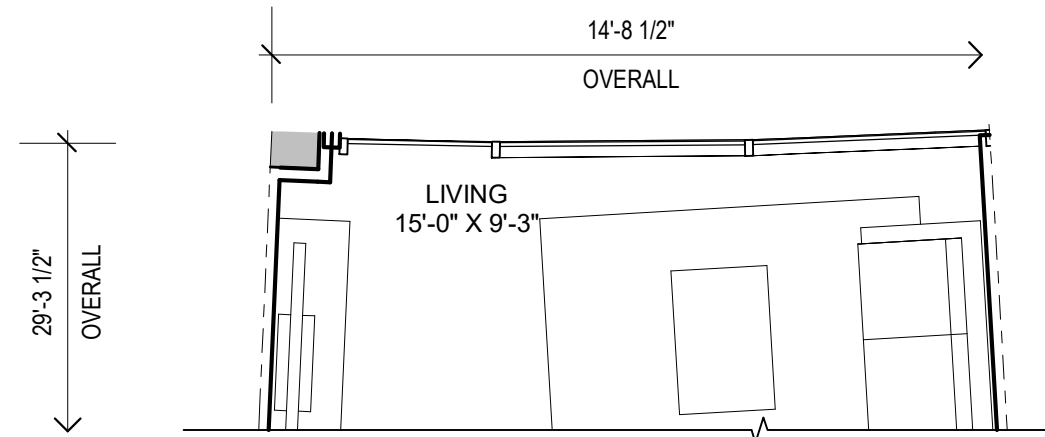
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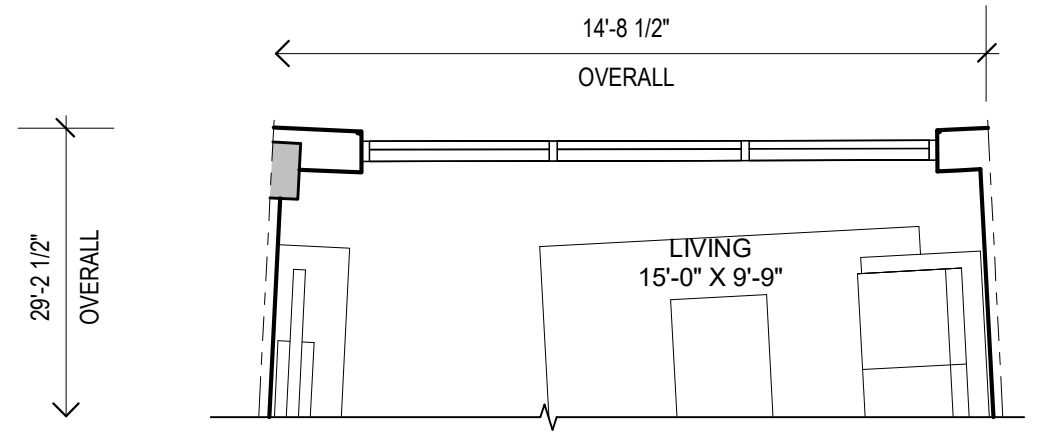
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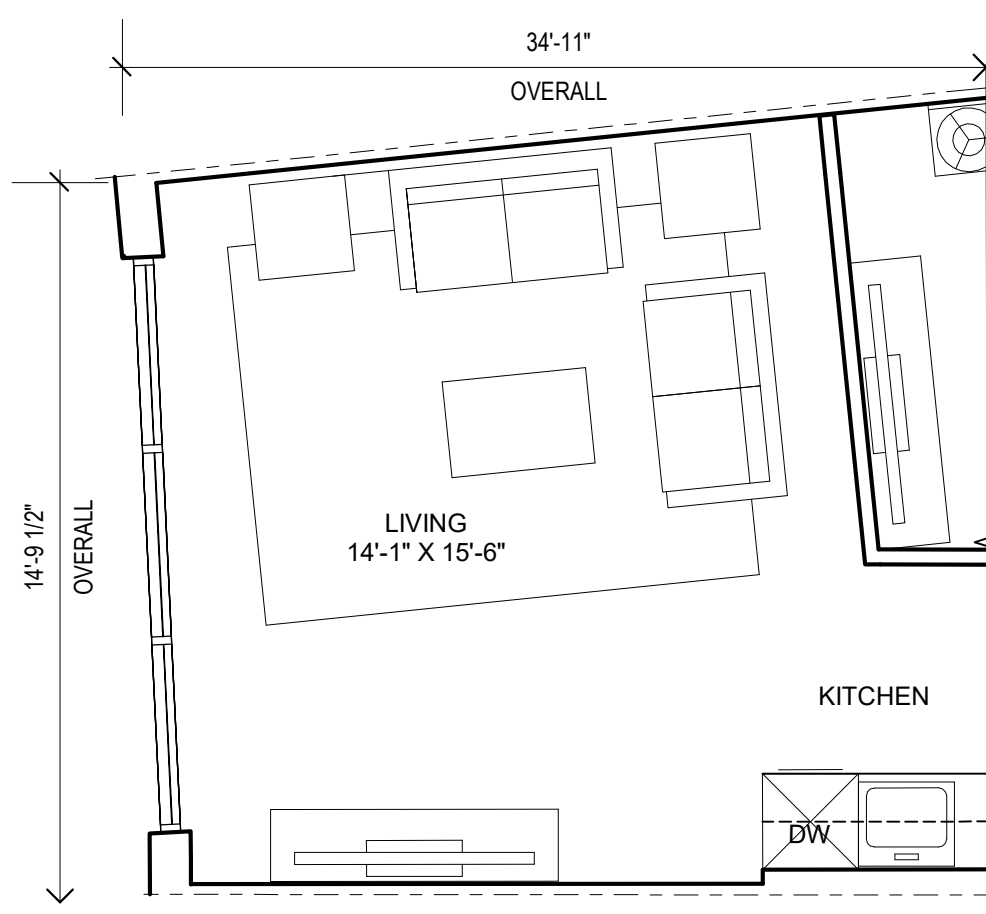




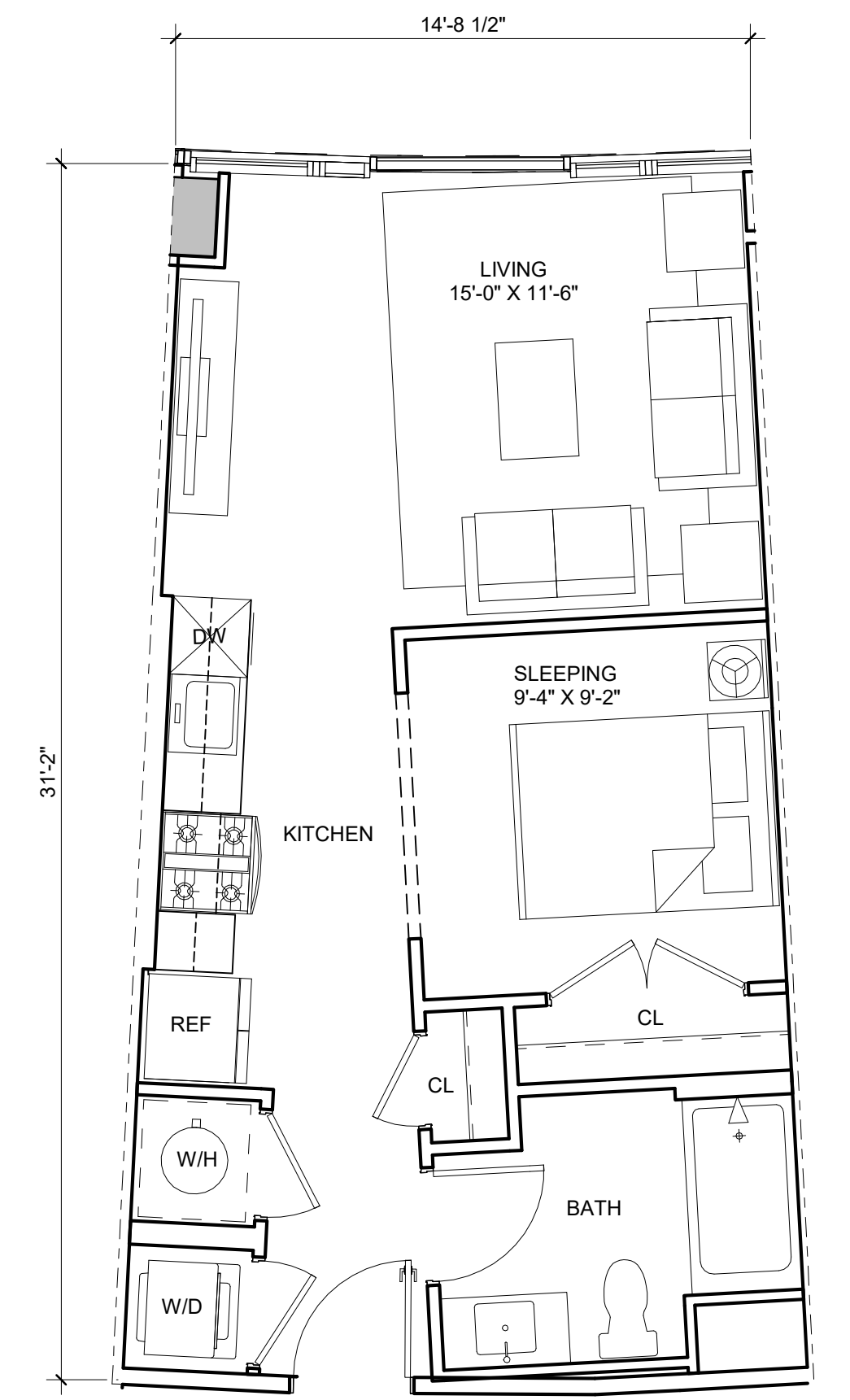
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474 NSF
2 UNITS
STUDIO



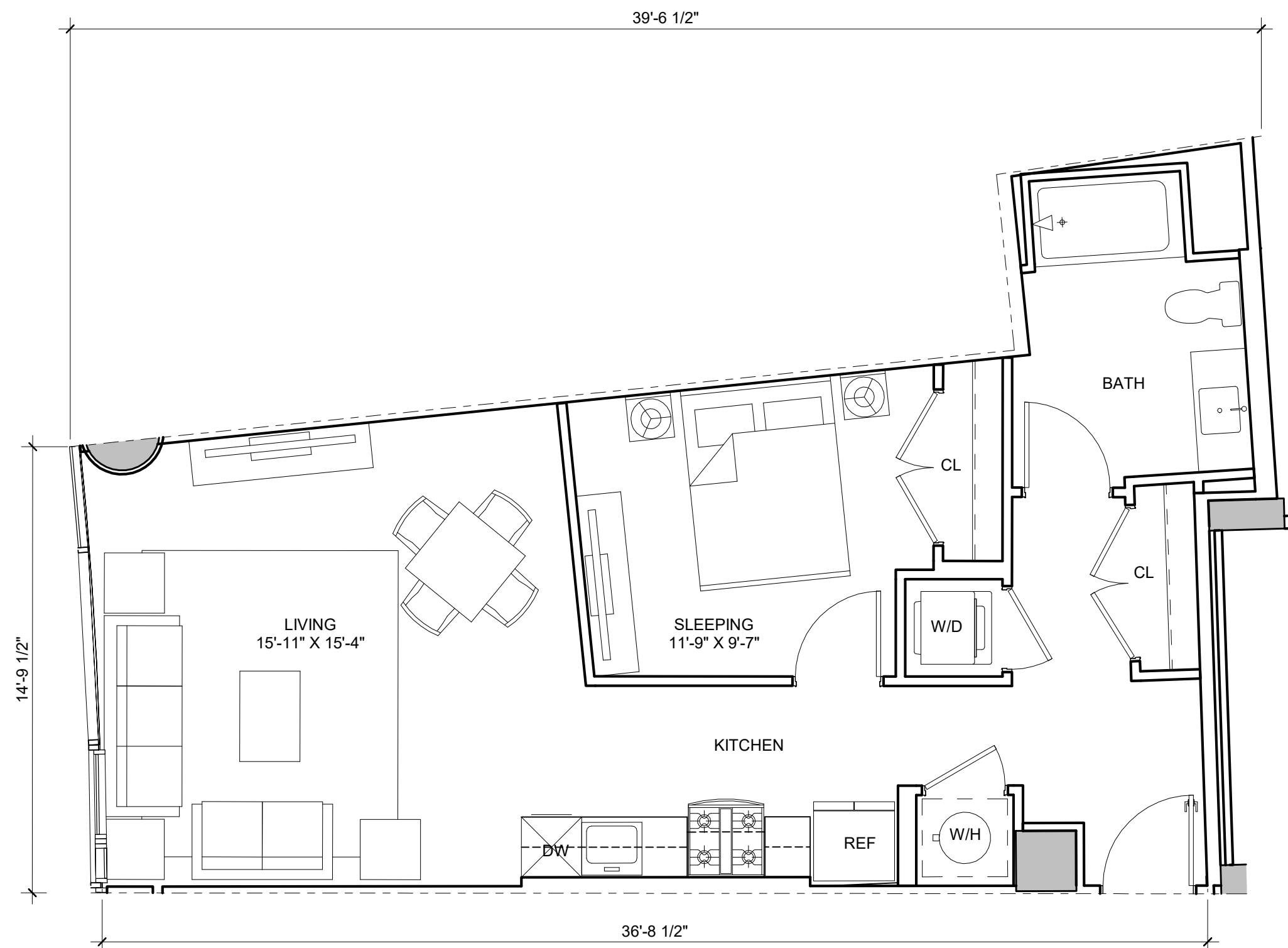
UNIT S1m1
490 NSF
3 UNITS
STUDIO



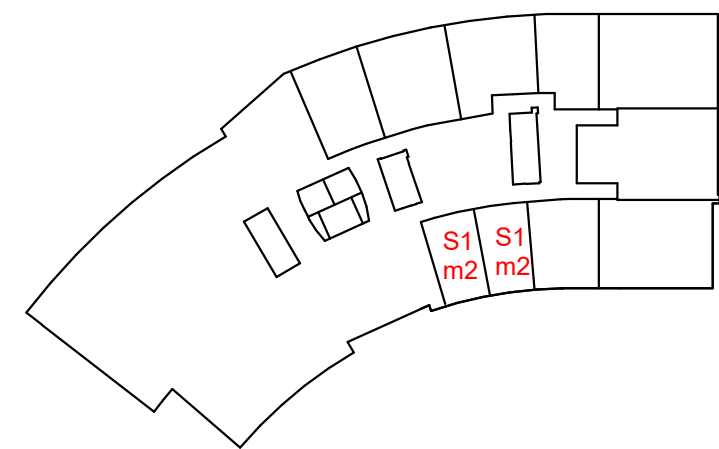
UNIT S2m1
661 NSF
3 UNITS
STUDIO



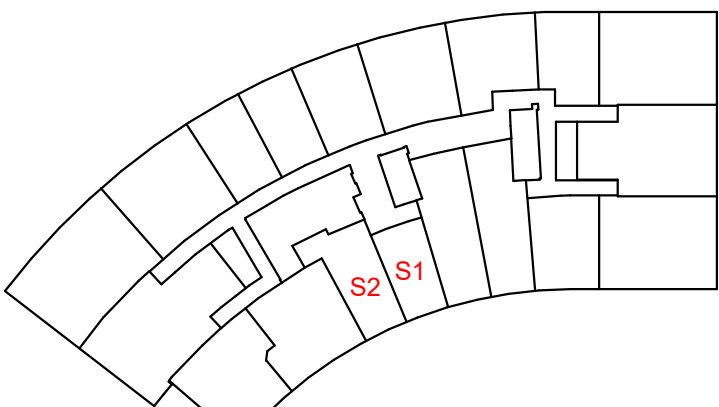
UNIT S1
511 NSF
6 UNITS
STUDIO



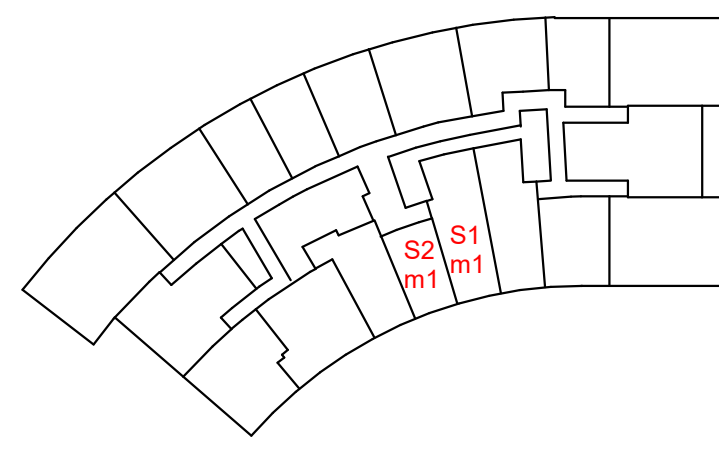
UNIT S2
682 NSF
6 UNITS
STUDIO



GR



R2-R7



R8-R10

KEY PLANS



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UNIT PLANS

SCHEMATIC DESIGN

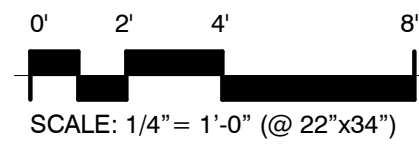
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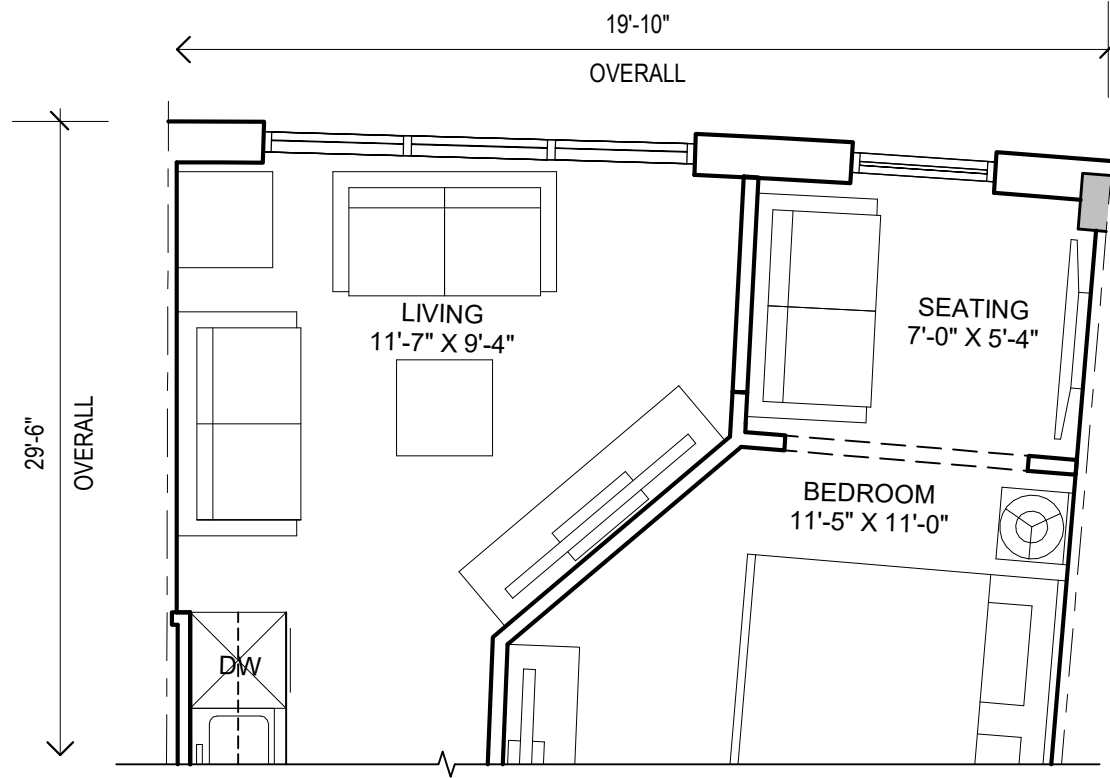
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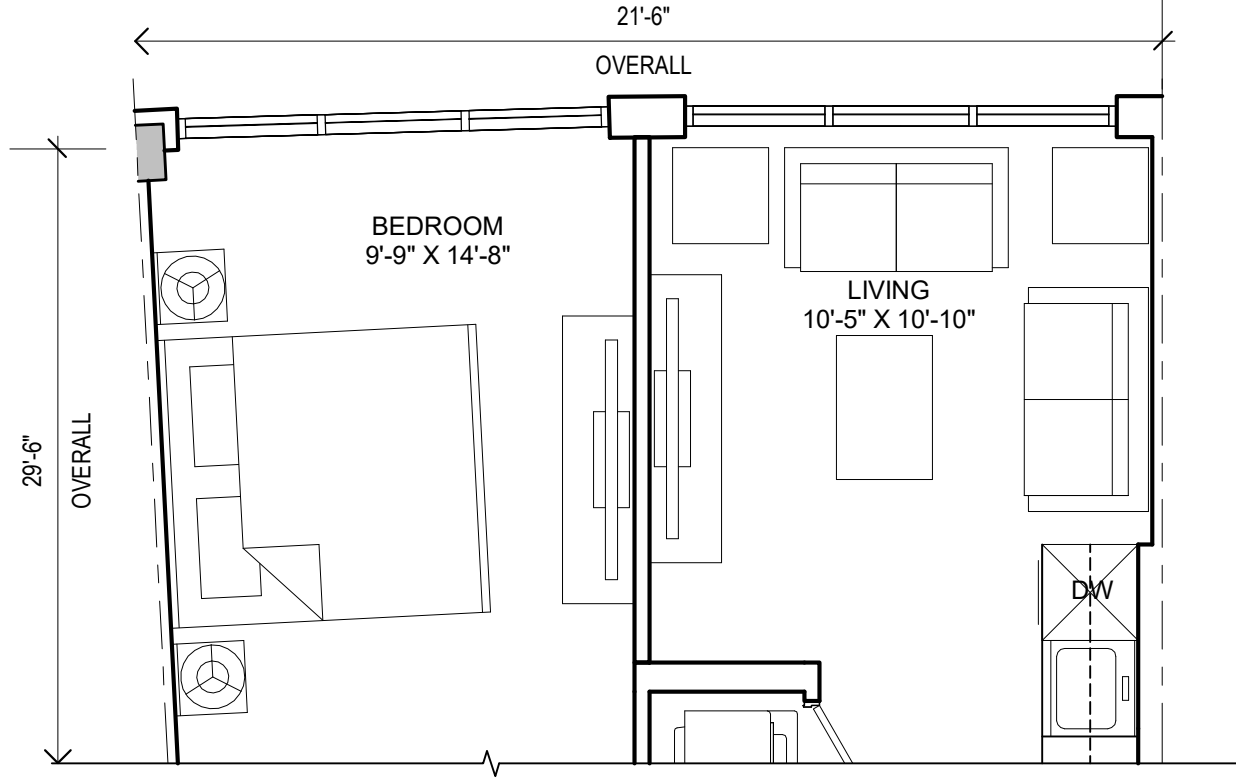
JUN 08, 2023
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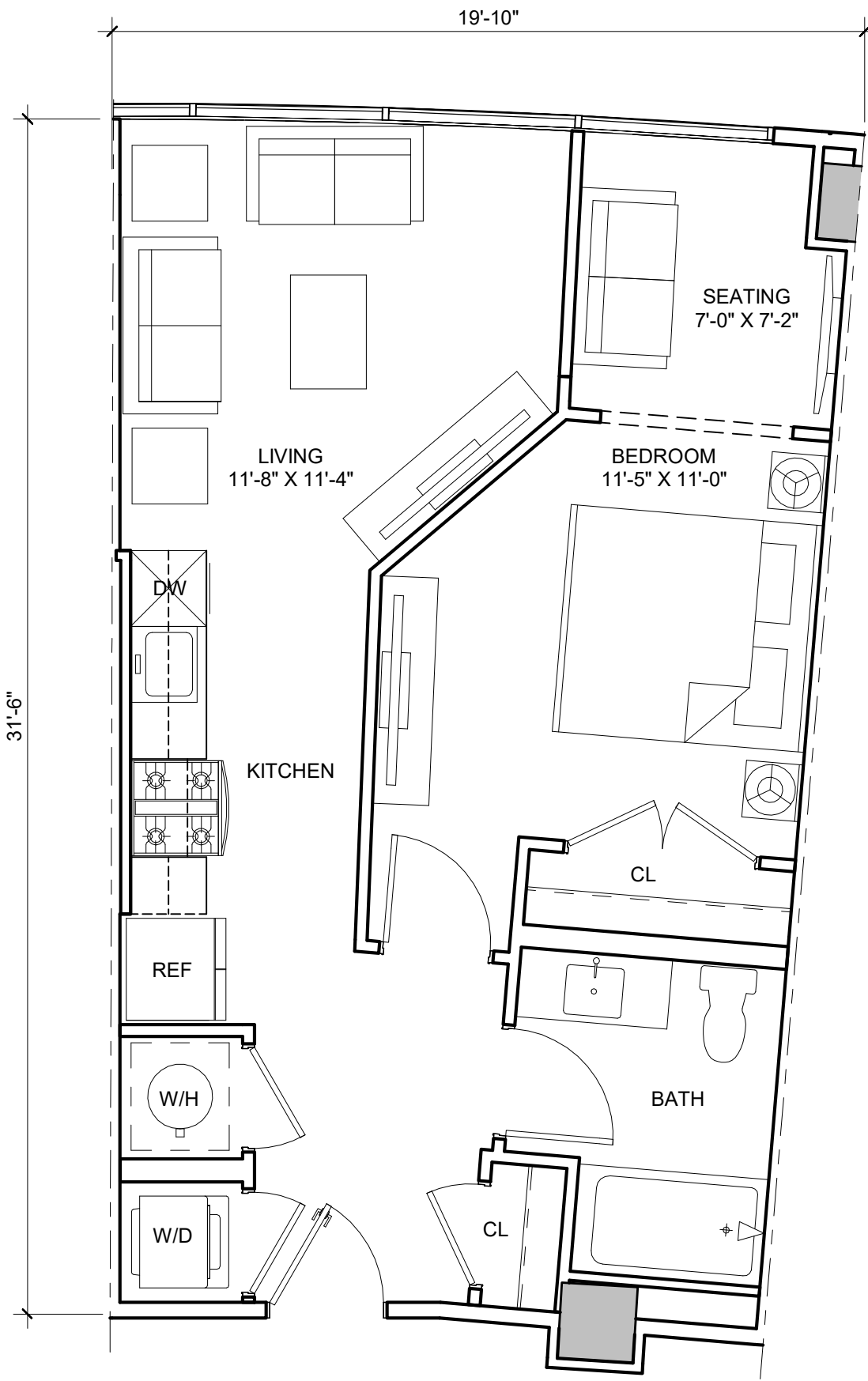




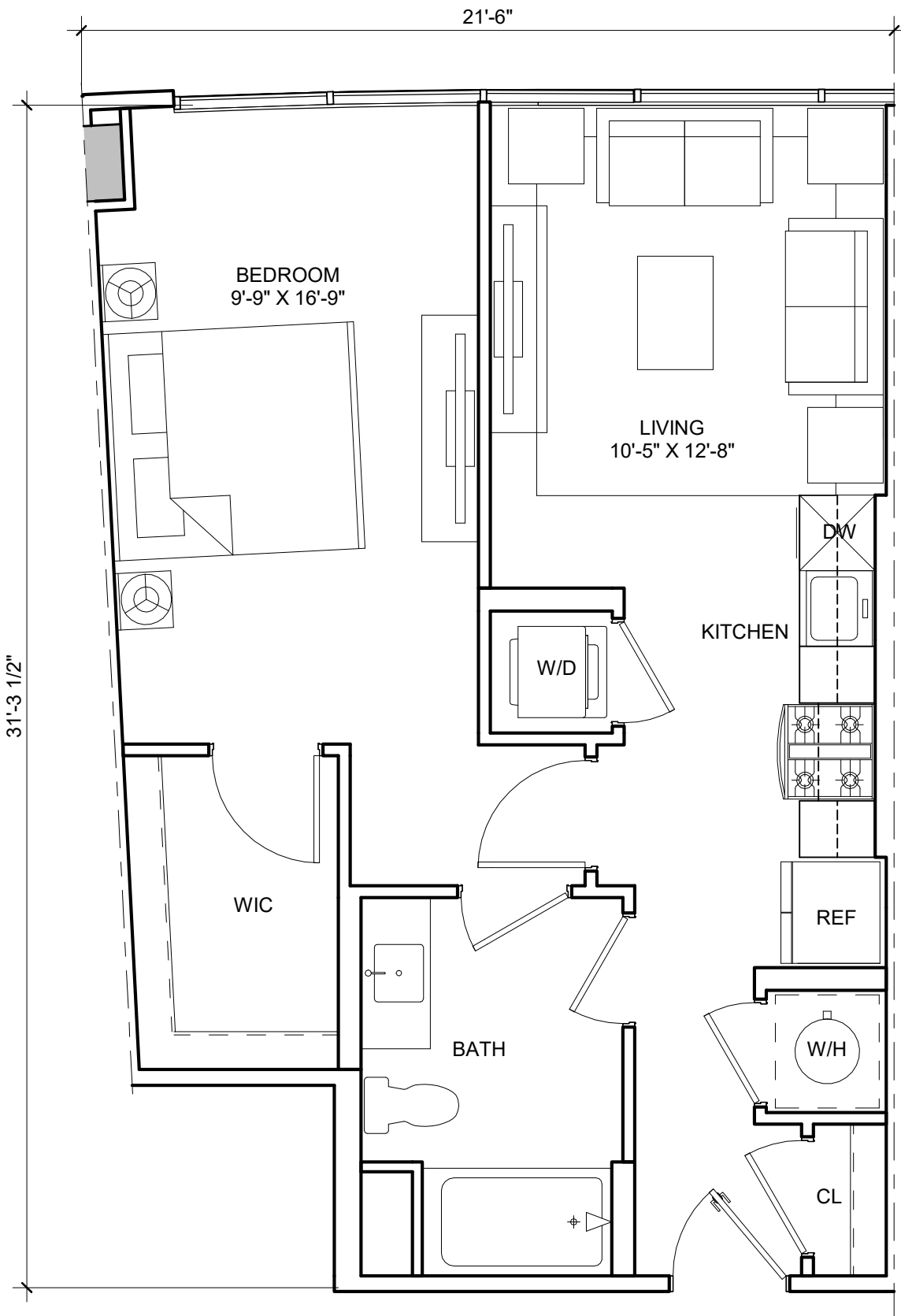
UNIT A1m1
553 NSF
6 UNITS
1BR / 1BA



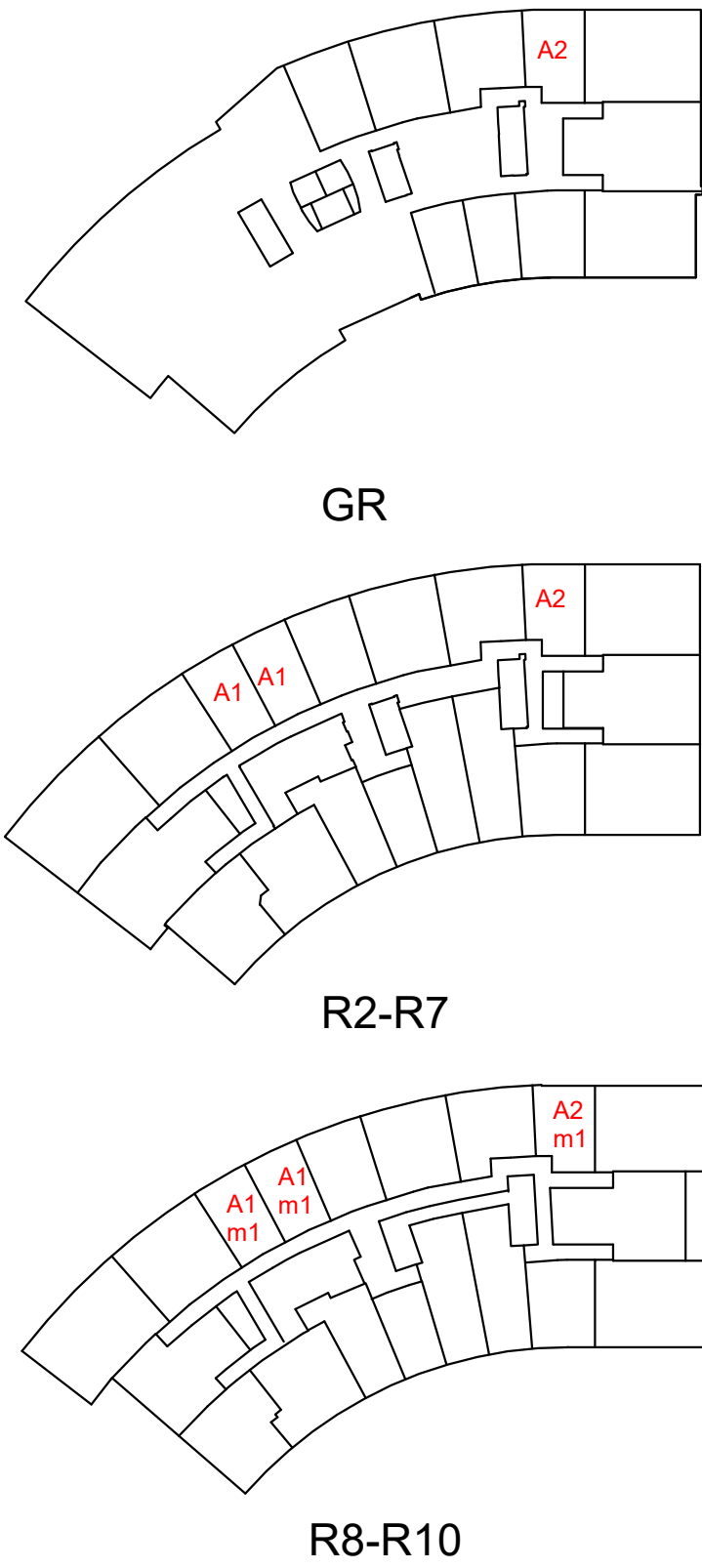
UNIT A2m1
590 NSF
3 UNITS
1BR / 1BA



UNIT A1
582 NSF
12 UNITS
1BR / 1BA



UNIT A2
618 NSF
7 UNITS
1BR / 1BA



KEY PLANS



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UNIT PLANS

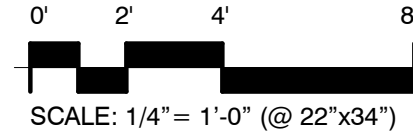
SCHEMATIC DESIGN

UNIWEST TWINBROOK

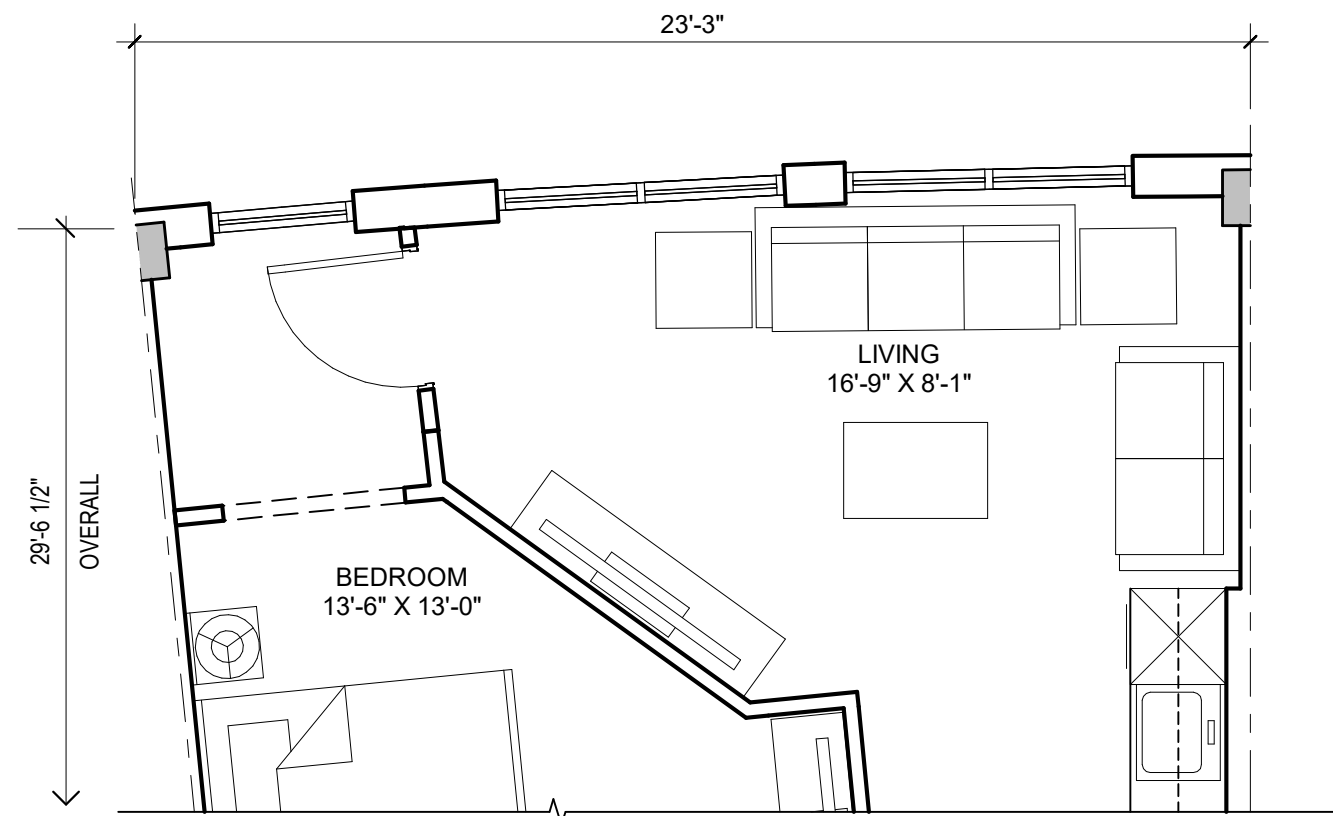
Rockville, Maryland, 20852, USA

UNIWEST

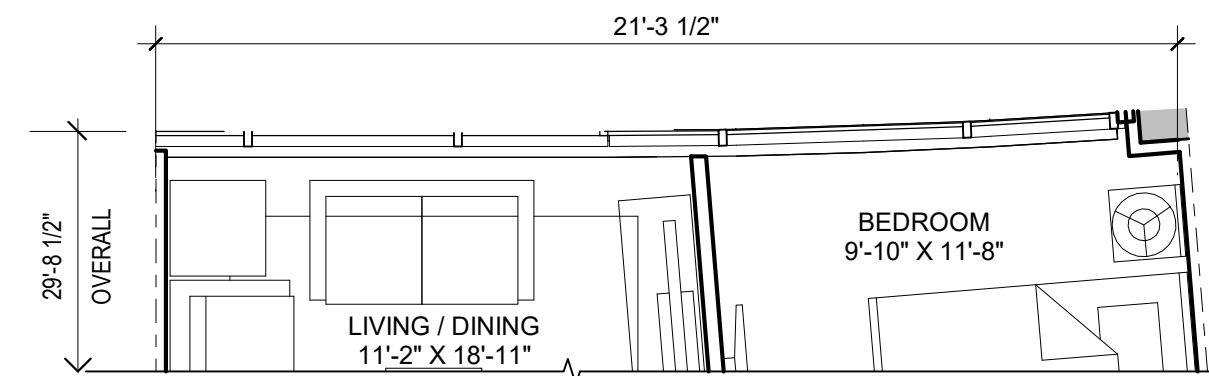
JUN 08, 2023
UNI.010B



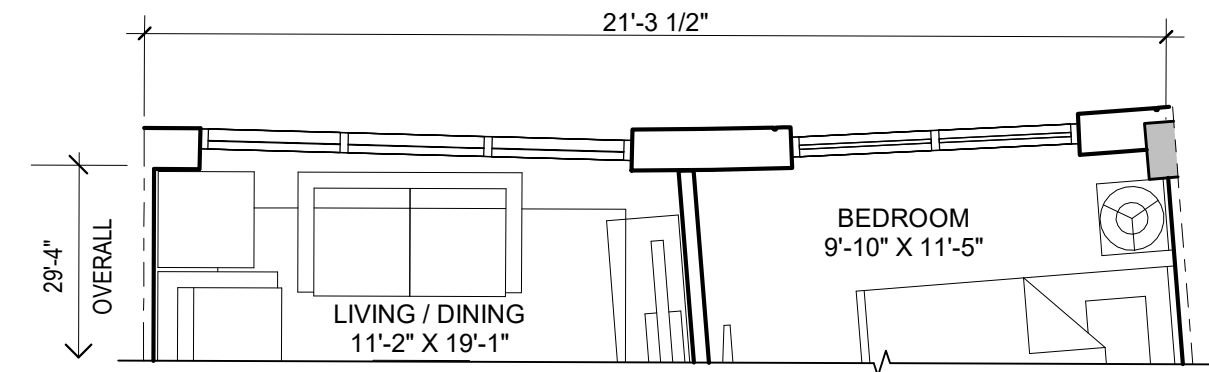
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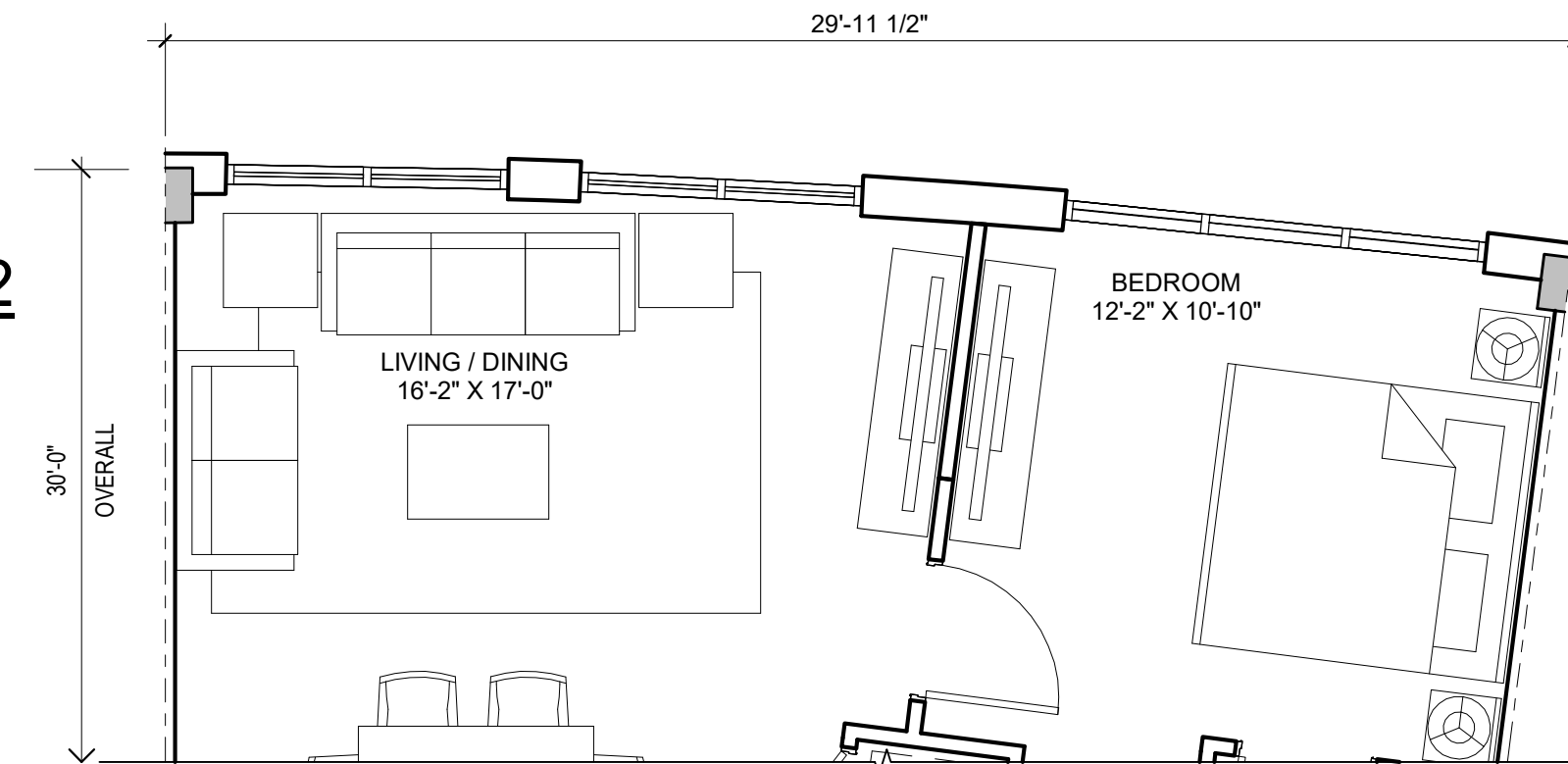
UNIT A3m1
653 NSF
3 UNITS
1BR / 1BA



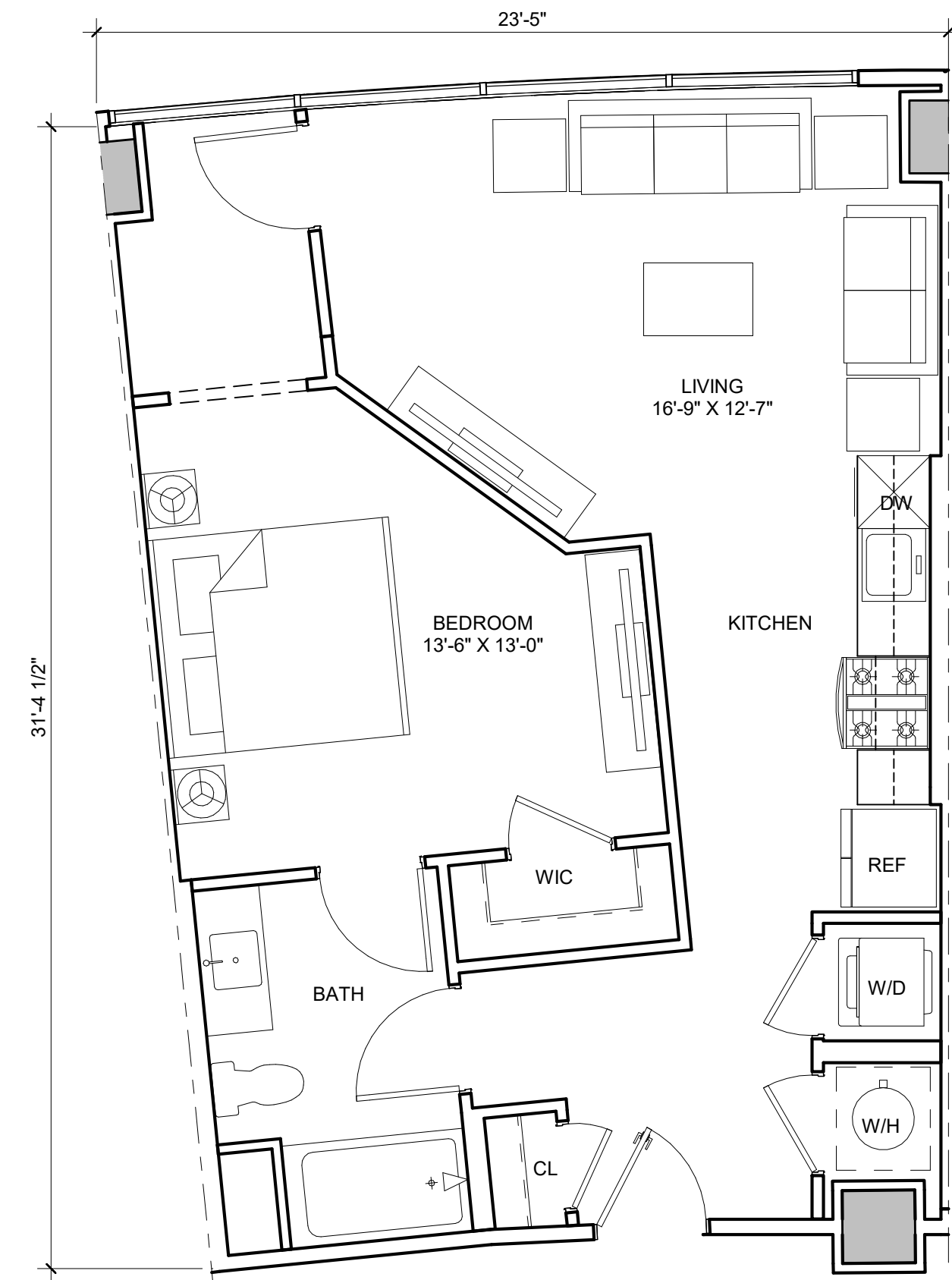
UNIT A4m2
651 NSF
1 UNIT
1BR / 1BA



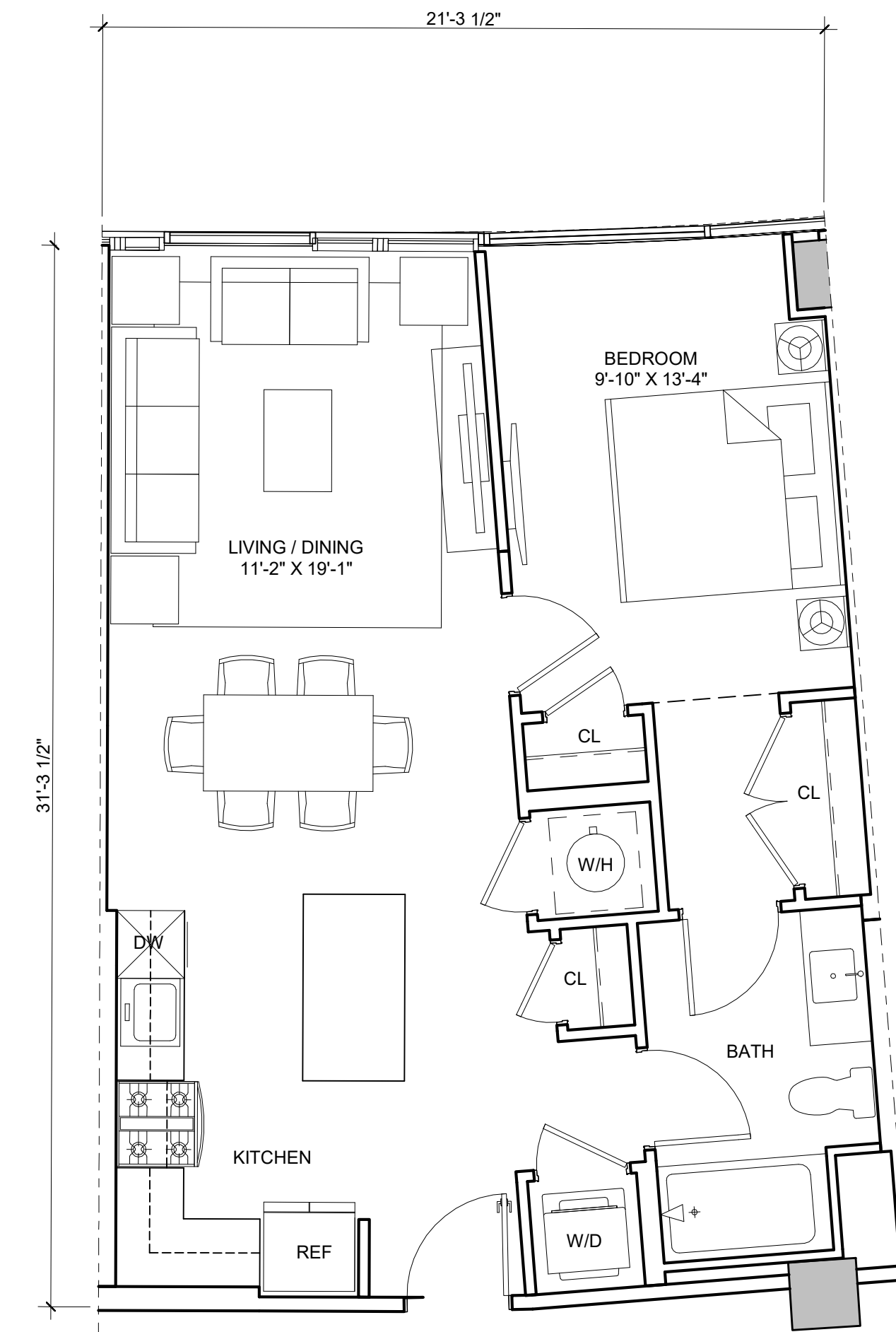
UNIT A4m1
674 NSF
4 UNITS
1BR / 1BA



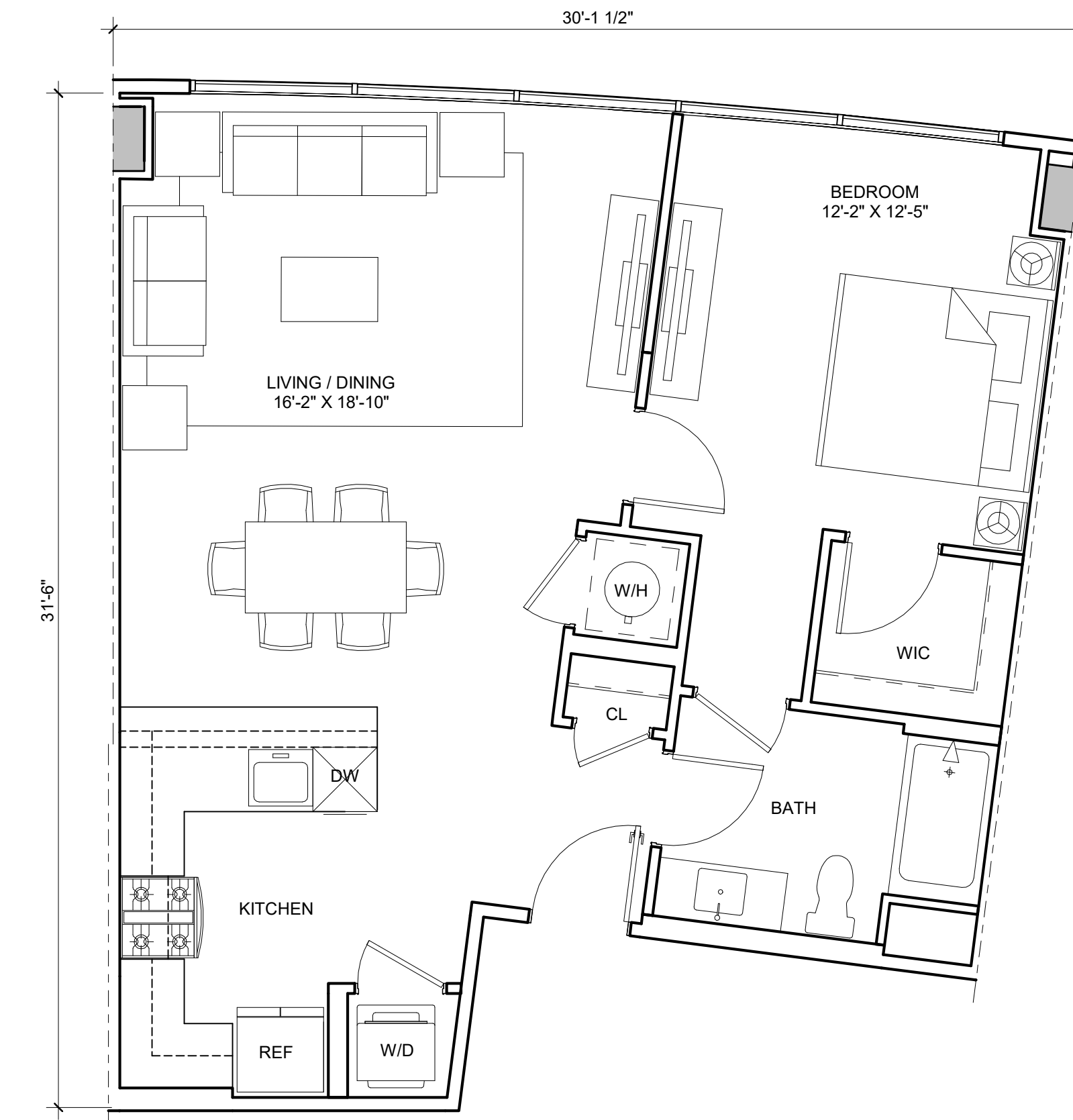
UNIT A5m1
750 NSF
3 UNITS
1BR / 1BA



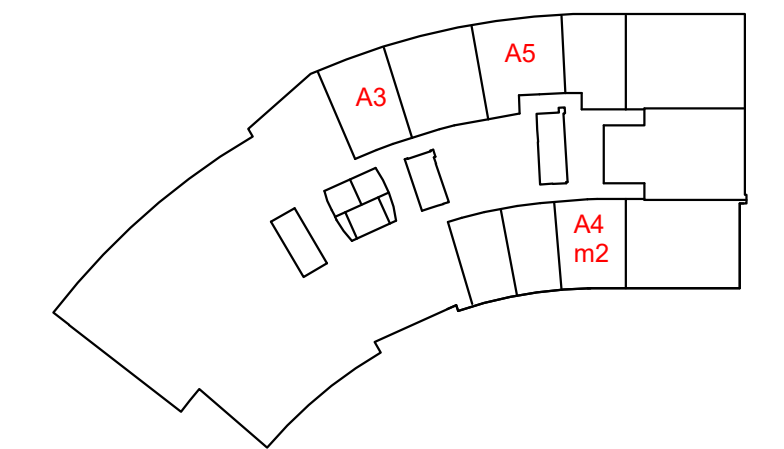
UNIT A3
686 NSF
7 UNITS
1BR / 1BA



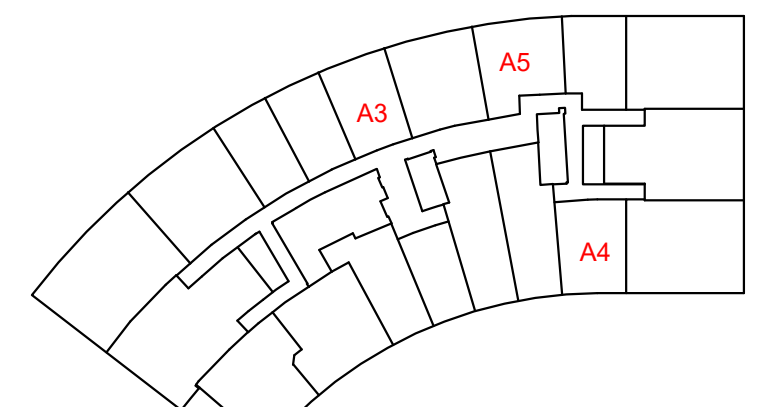
UNIT A4
705 NSF
6 UNITS
1BR / 1BA



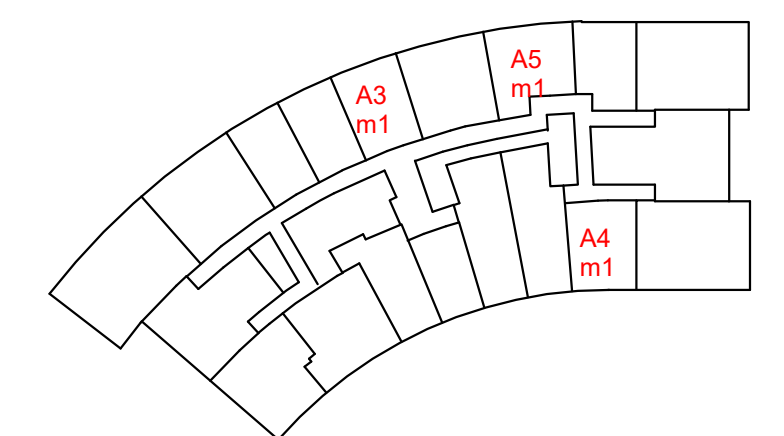
UNIT A5
793 NSF
7 UNITS
1BR / 1BA



GR

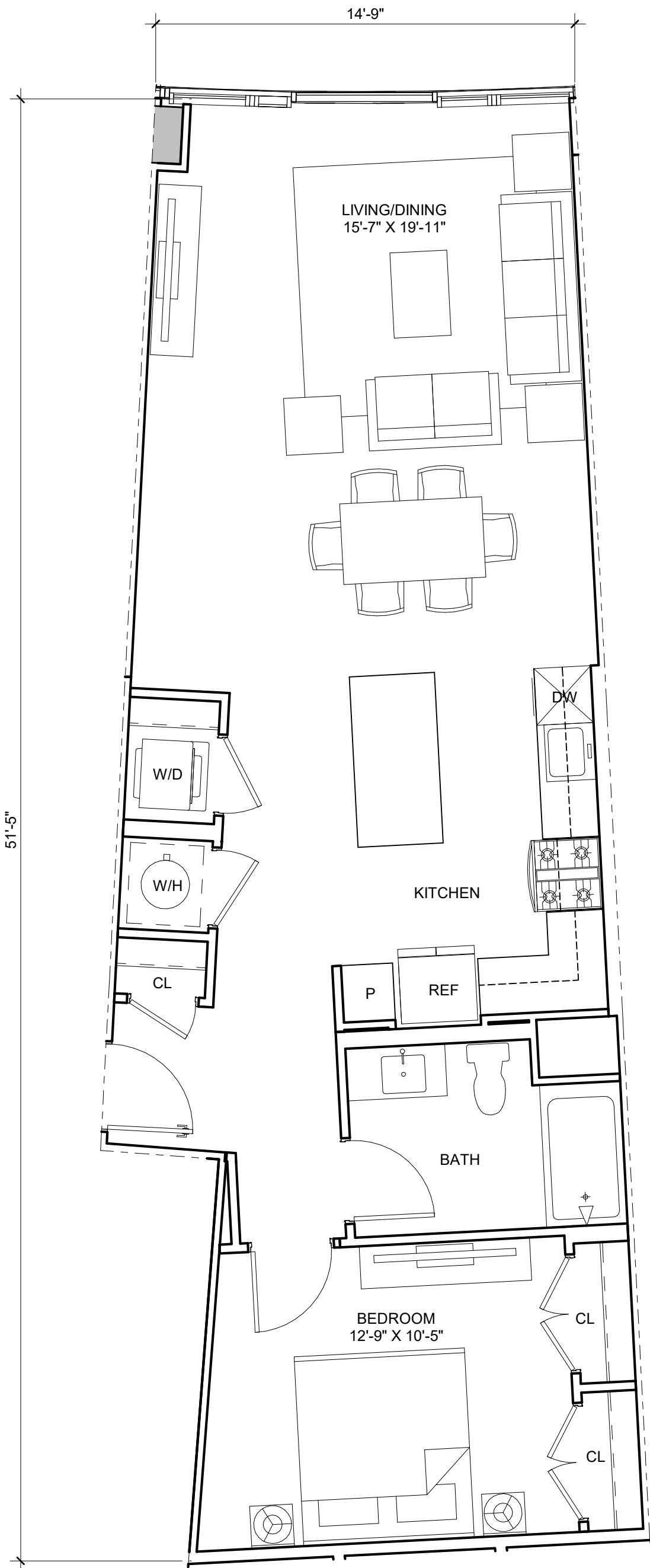


R2-R7

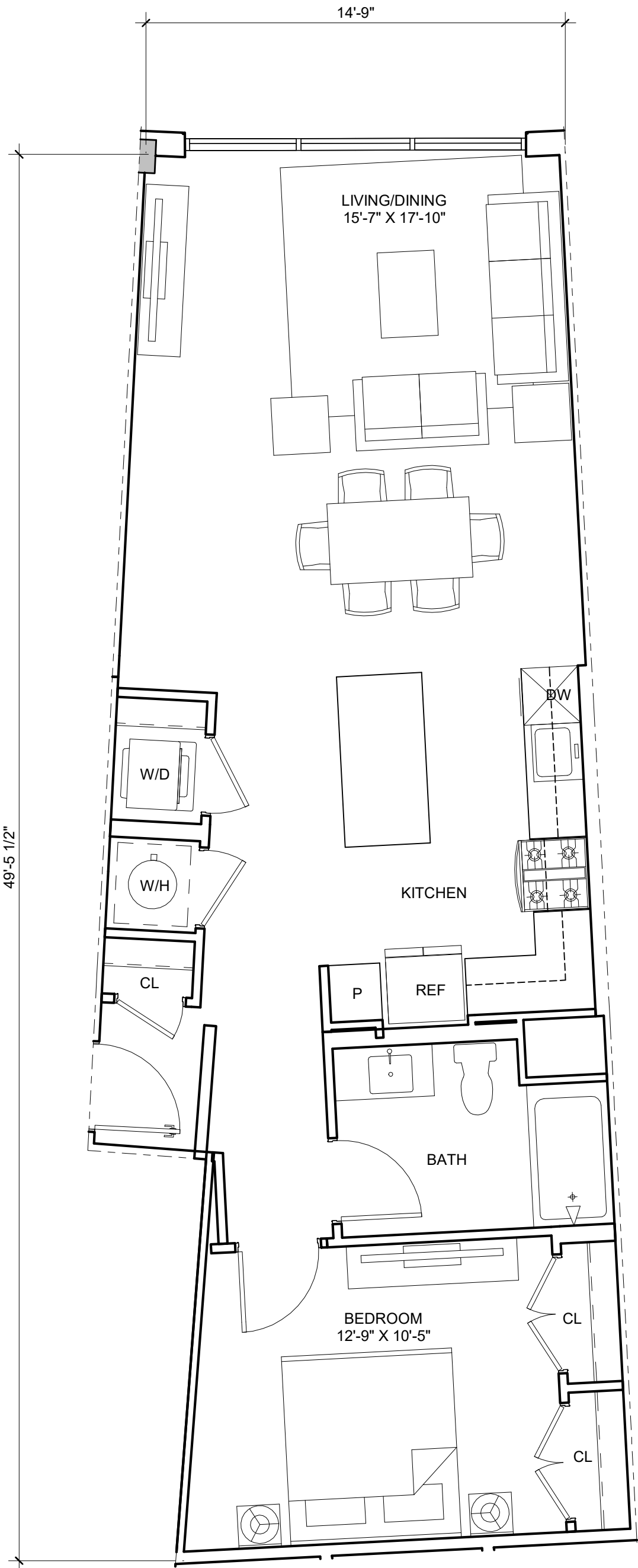


R8-R10

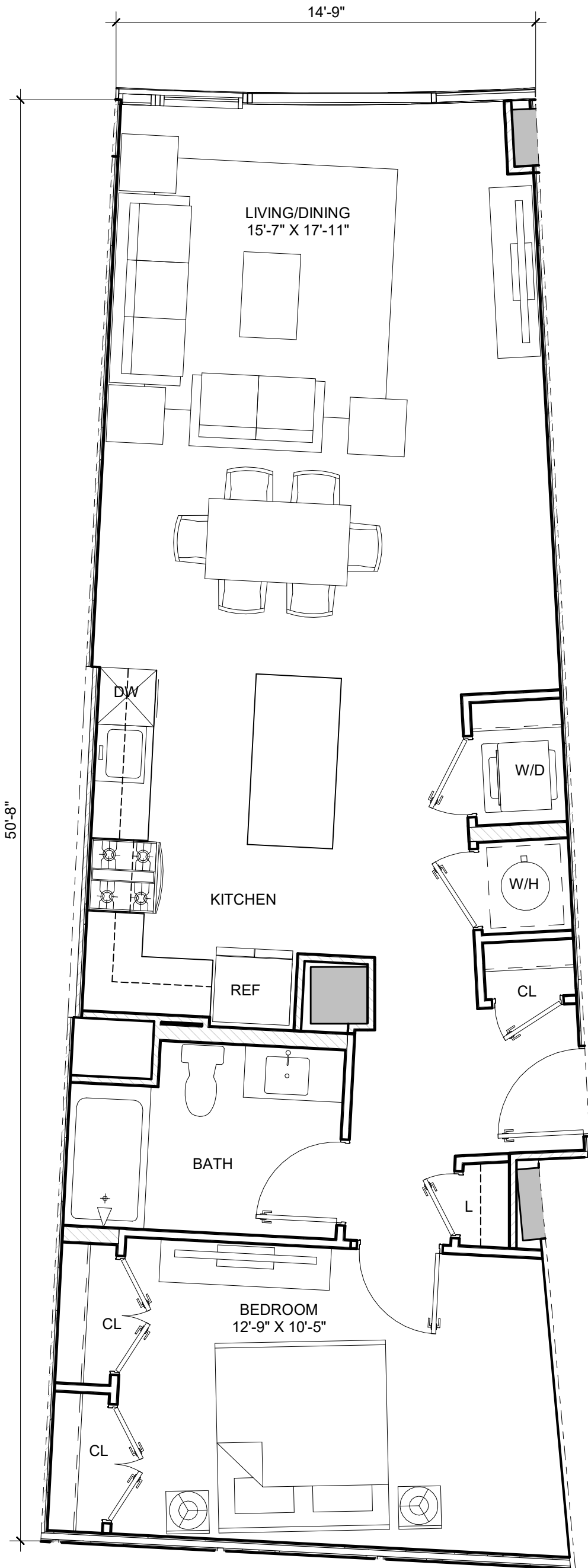
KEY PLANS



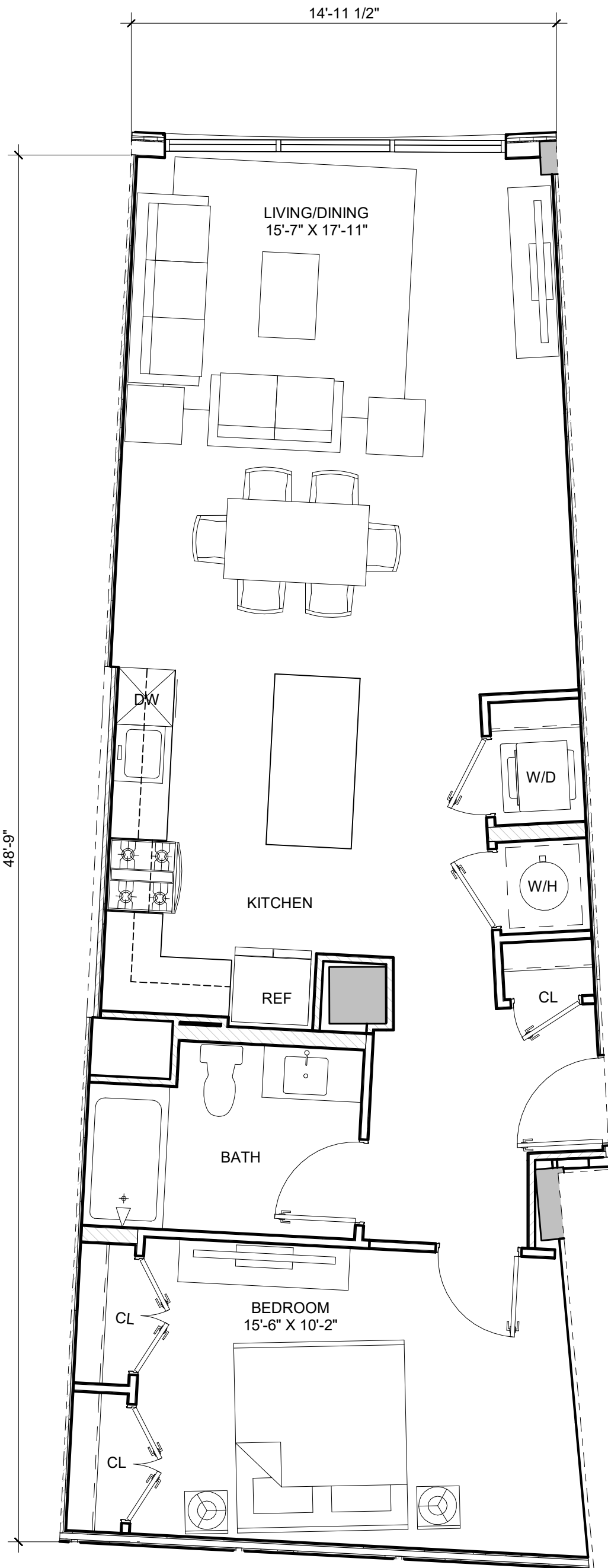
UNIT A6
828 NSF
6 UNITS
JR / 1BR / 1BA



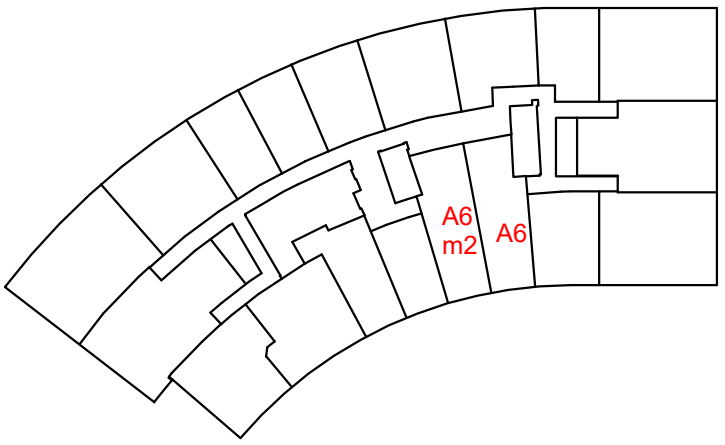
UNIT A6m1
806 NSF
3 UNITS
JR / 1BR / 1BA



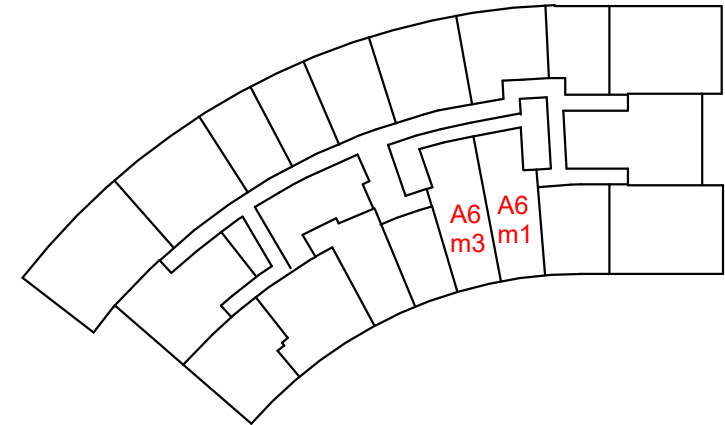
UNIT A6m2
859 NSF
6 UNITS
JR / 1BR / 1BA



UNIT A6m3
837 NSF
3 UNITS
JR / 1BR / 1BA



R2-R7



R8-R10

KEY PLANS



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UNIT PLANS

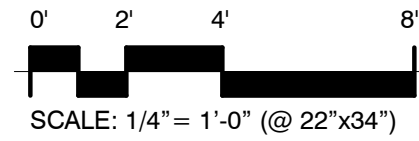
SCHEMATIC DESIGN

UNIWEST TWINBROOK

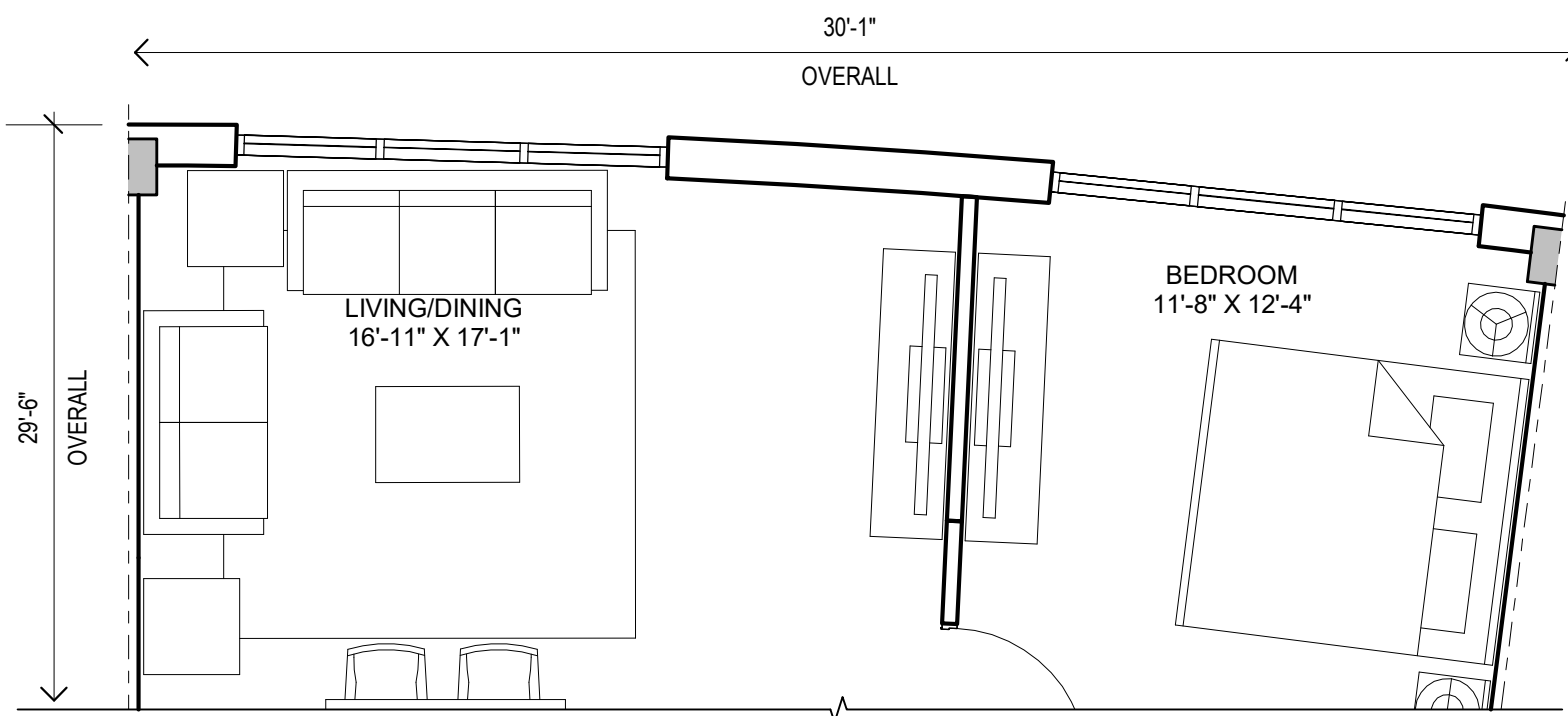
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UNIWEST

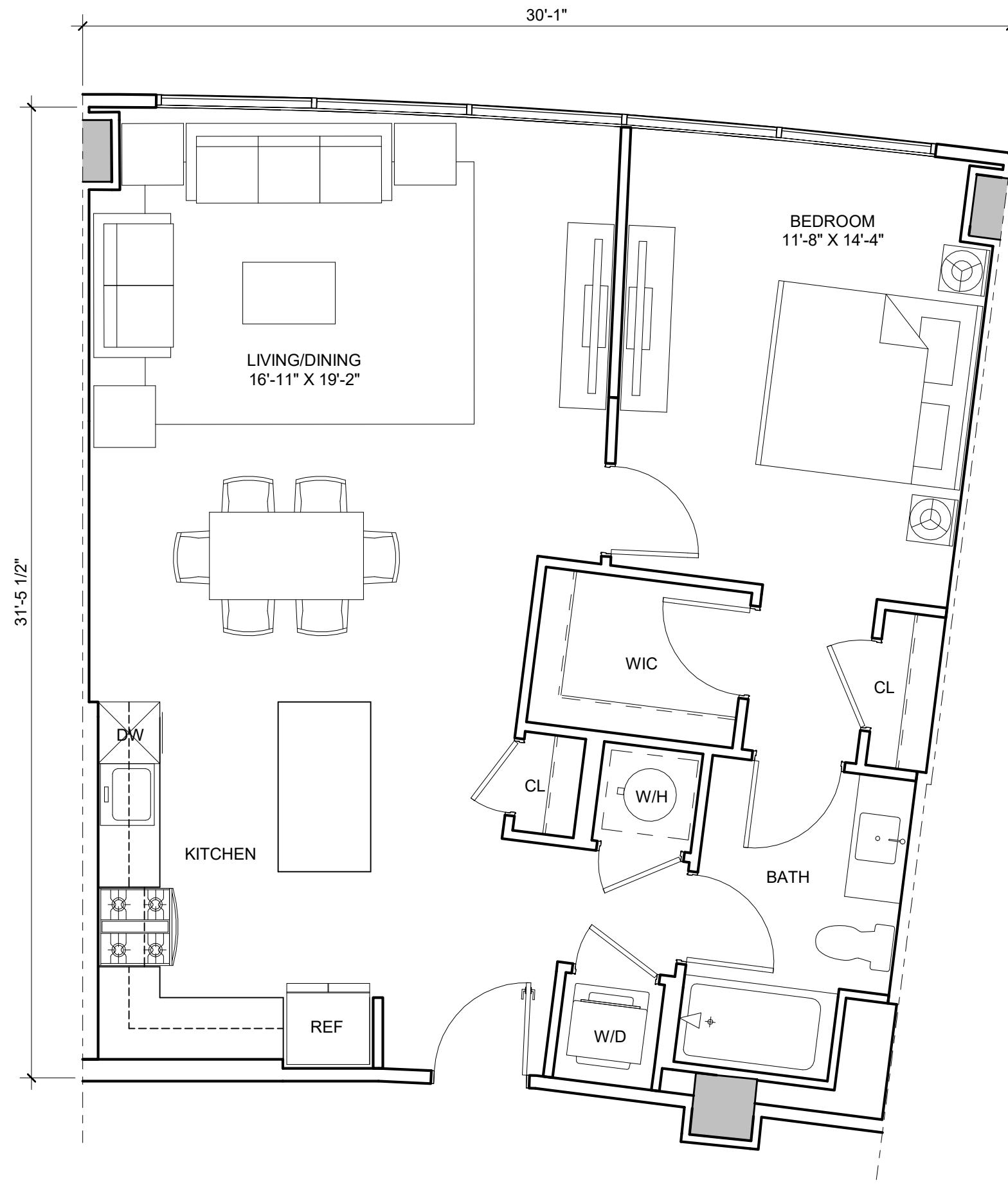
JUN 08, 2023
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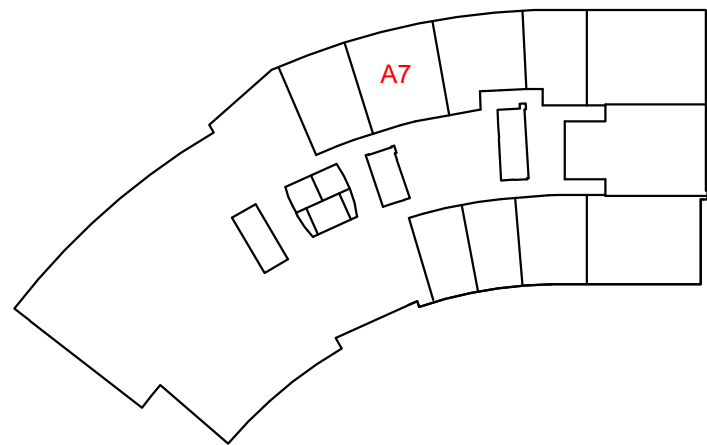
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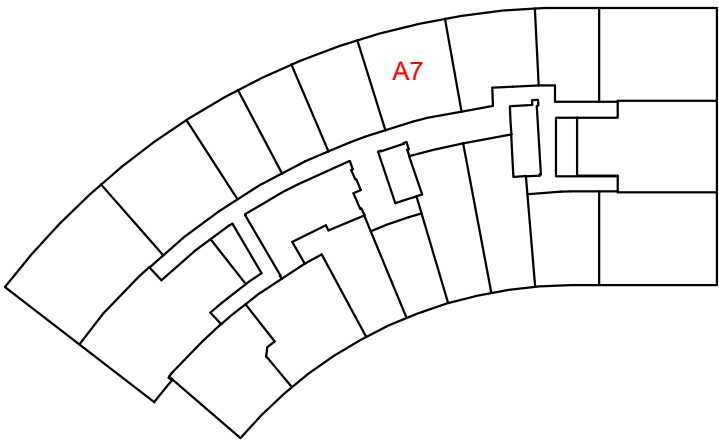
UNIT A7m1
839 NSF
3 UNITS
1BR / 1BA



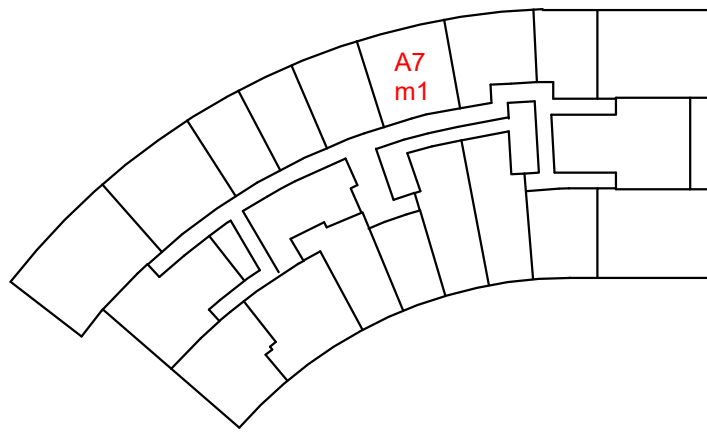
UNIT A7
883 NSF
7 UNITS
1BR / 1BA



GR



R2-R7



R8-R10

KEY PLANS



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UNIT PLANS

SCHEMATIC DESIGN

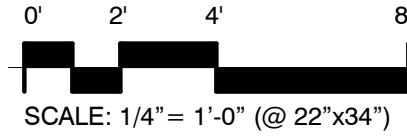
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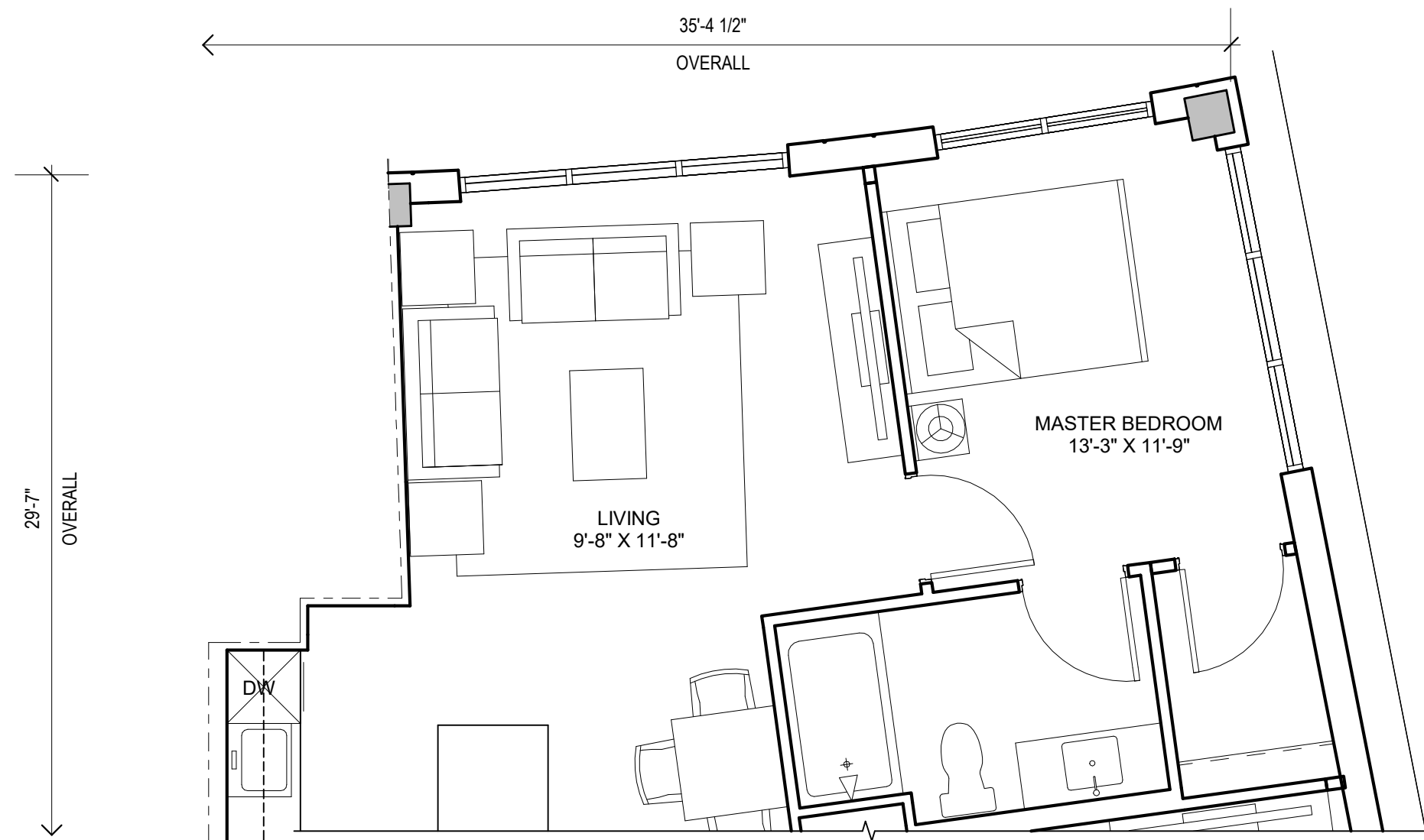
UNIWEST

JUN 08, 2023
UNI.010B

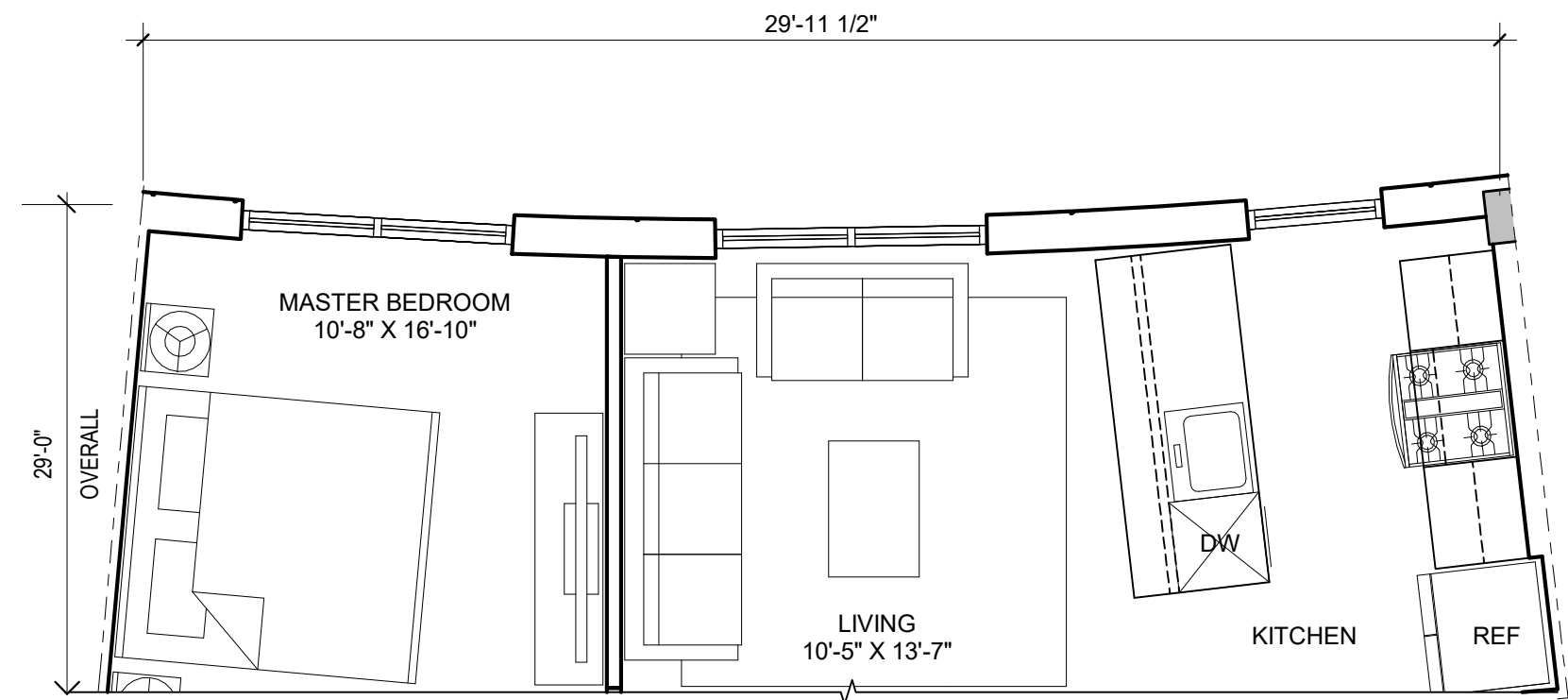


SCALE: 1/4" = 1'-0" (@ 22"x34")

A.13



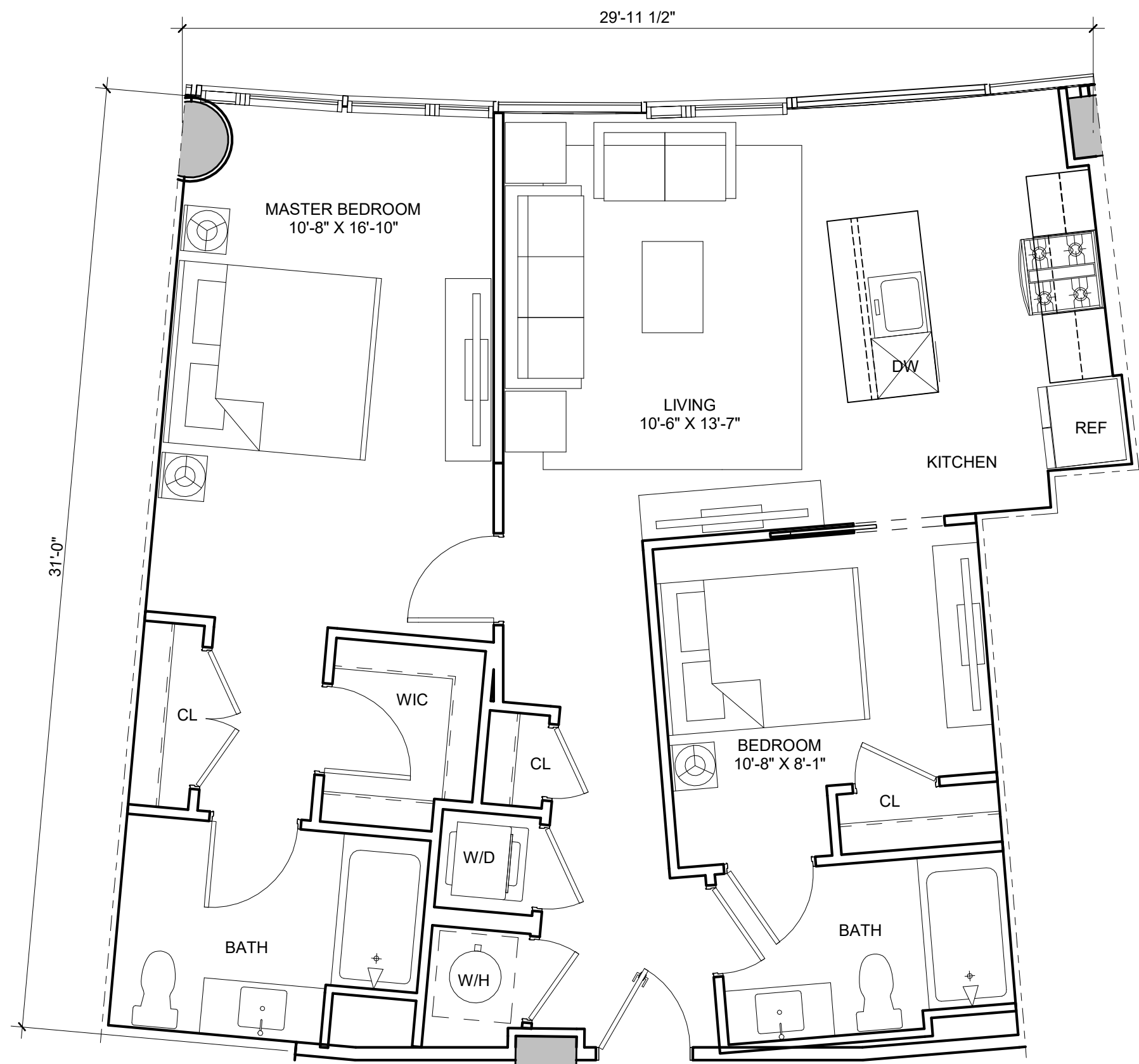
UNIT C1m1
858 NSF
3 UNITS
2BR / 2BA



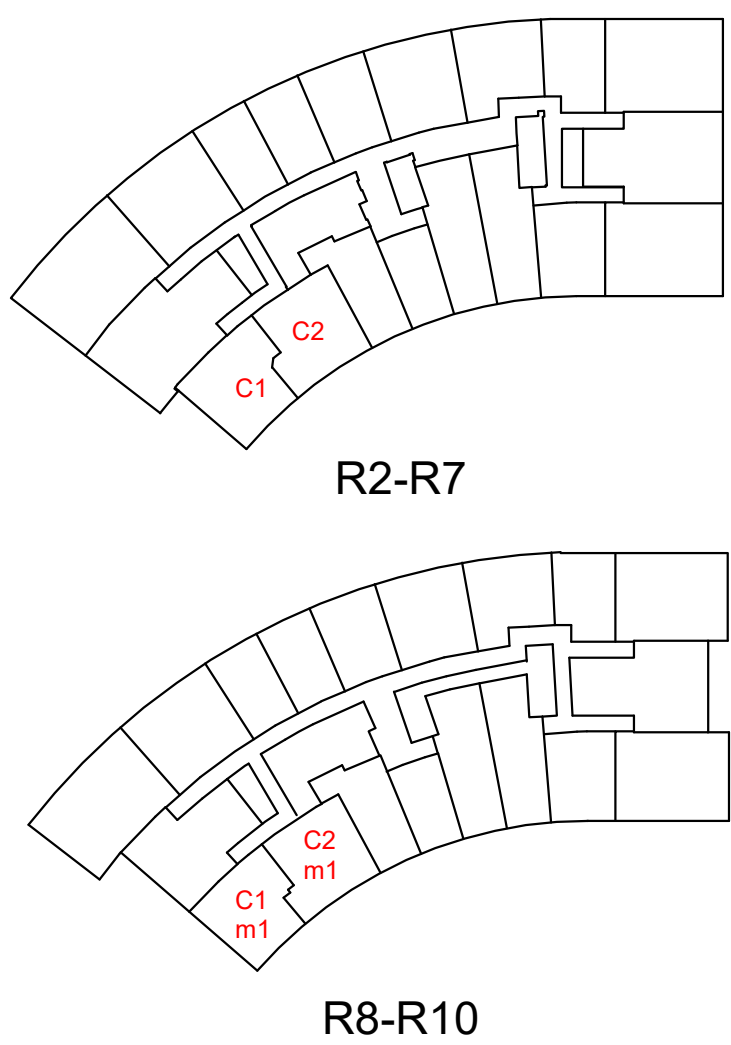
UNIT C2m1
888 NSF
3 UNITS
2BR / 2BA



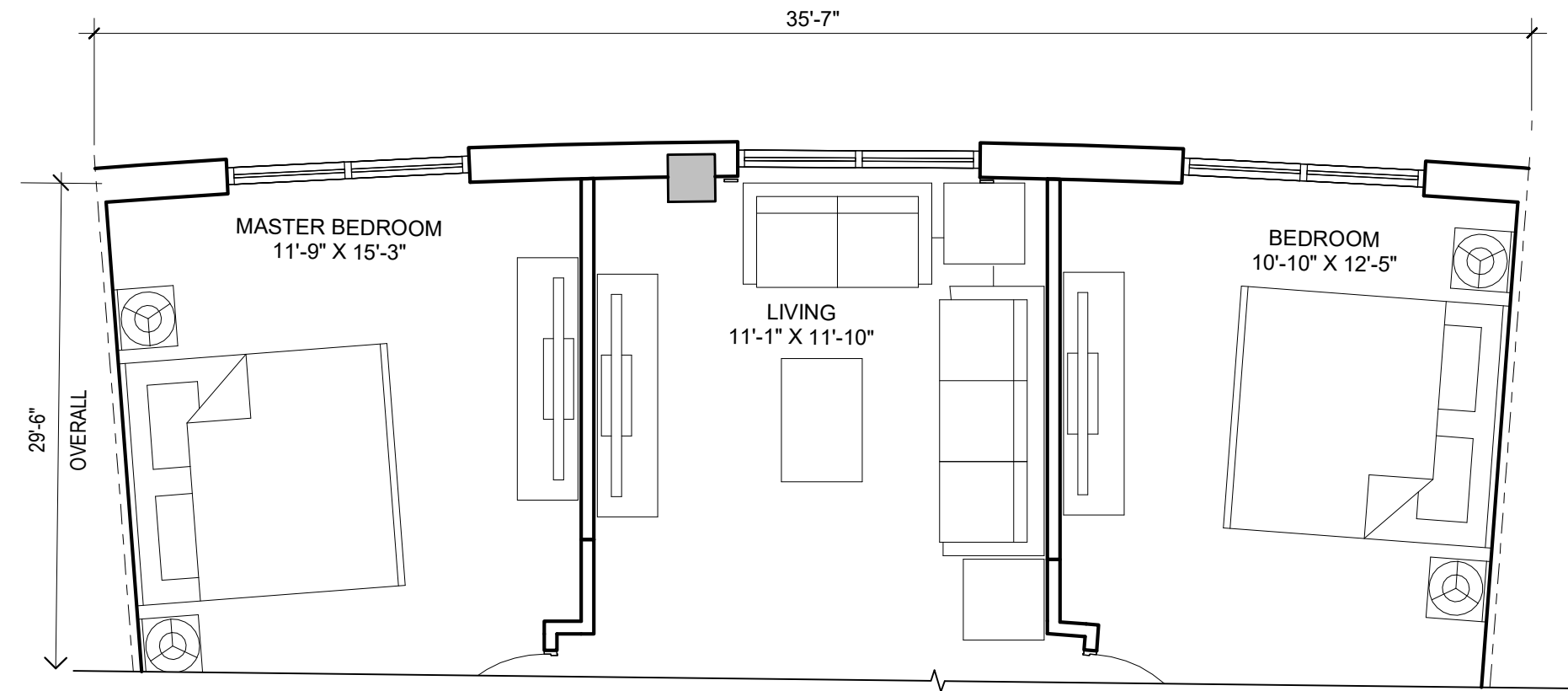
UNIT C1
937 NSF
6 UNITS
2BR / 2BA



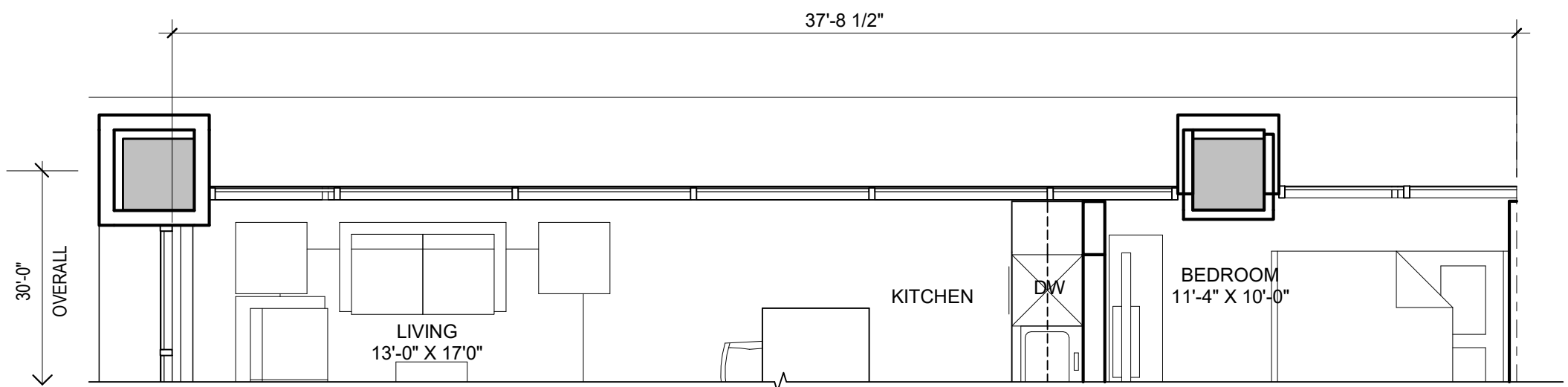
UNIT C2
932 NSF
6 UNITS
2BR / 2BA



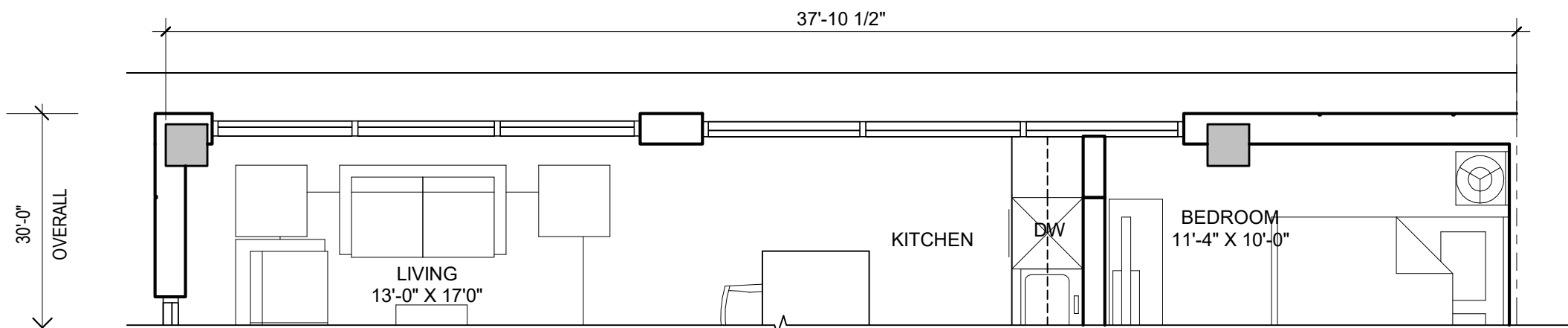
KEY PLANS



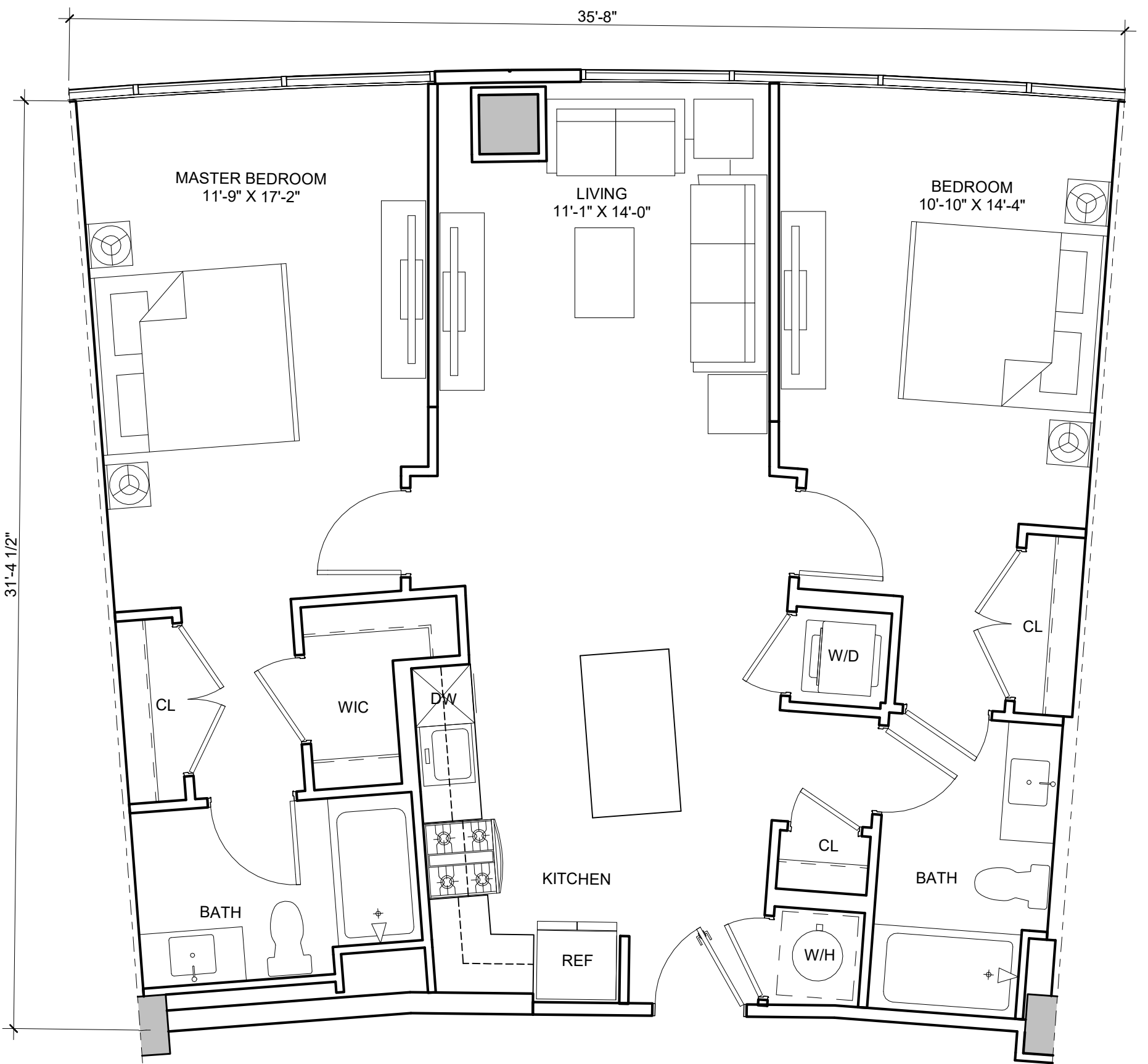
UNIT C3m1
996 NSF
3 UNITS
2BR / 2BA



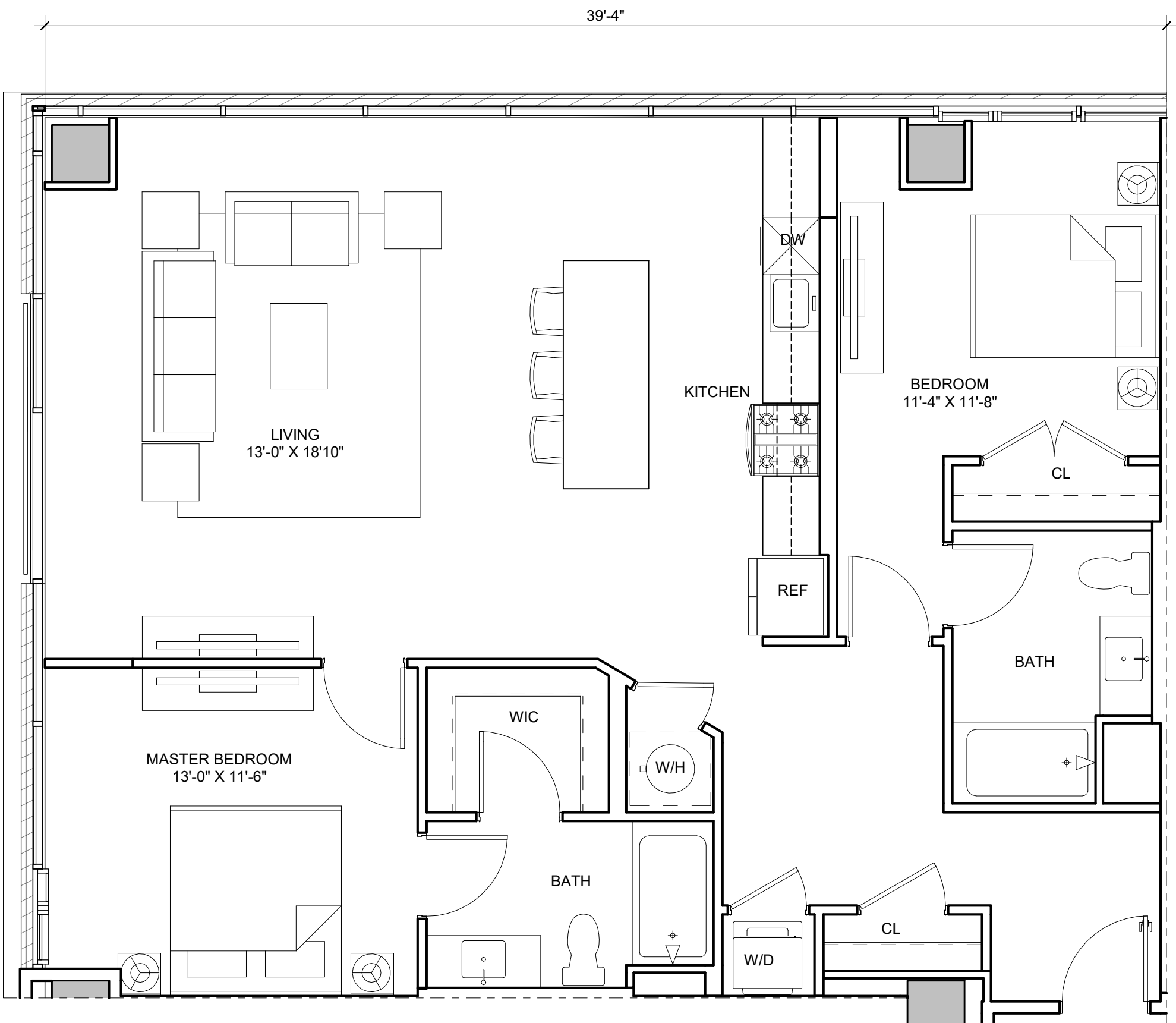
UNIT C4m2
1,051 NSF
1 UNIT
2BR / 2BA



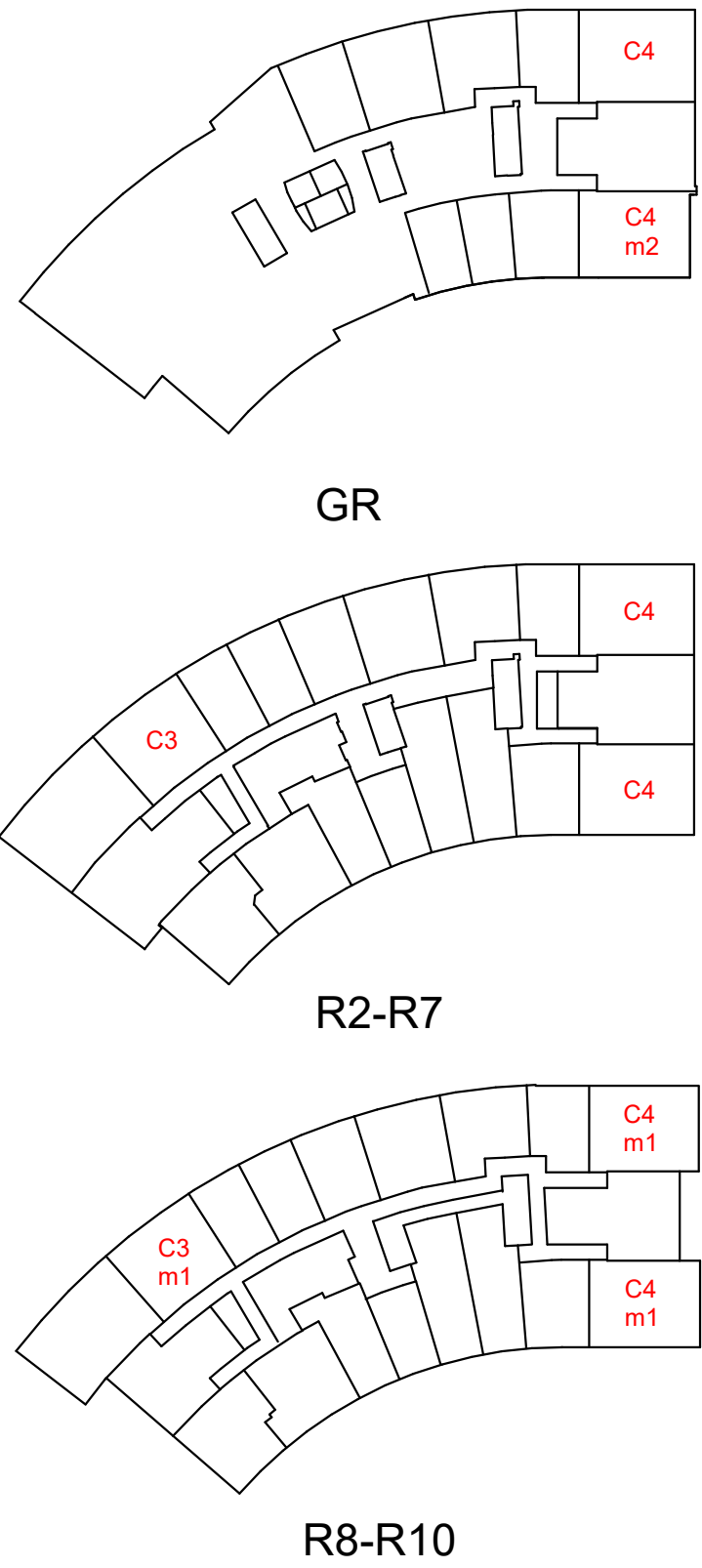
UNIT C4m1
1,128 NSF
6 UNITS
2BR / 2BA



UNIT C3
1,047 NSF
6 UNITS
2BR / 2BA



UNIT C4
1,221 NSF
13 UNIT
2BR / 2BA



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UNIT PLANS

SCHEMATIC DESIGN

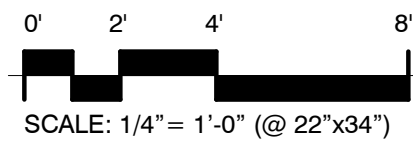
UNIWEST TWINBROOK

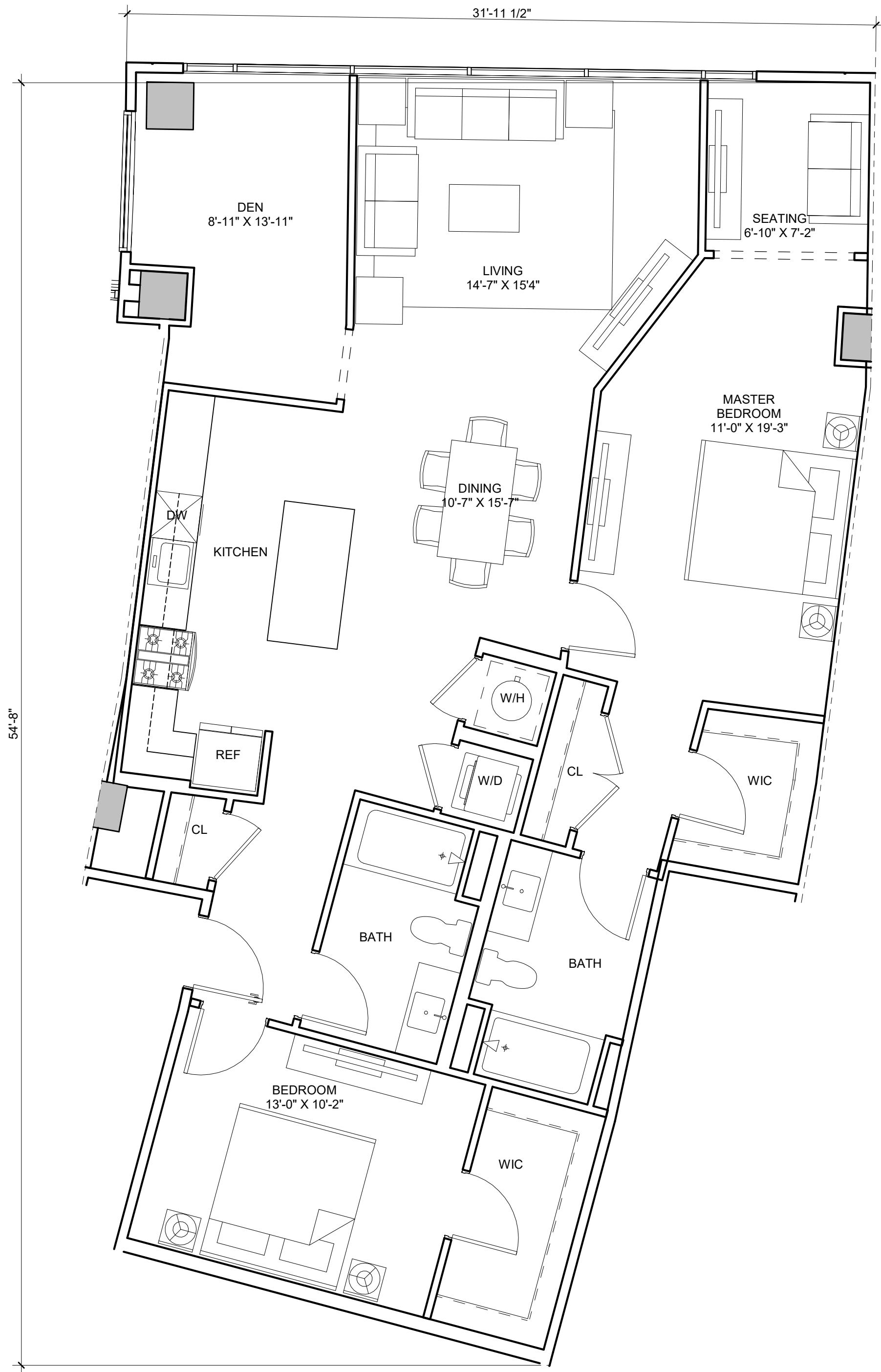
Rockville, Maryland, 20852,USA

UNIWEST

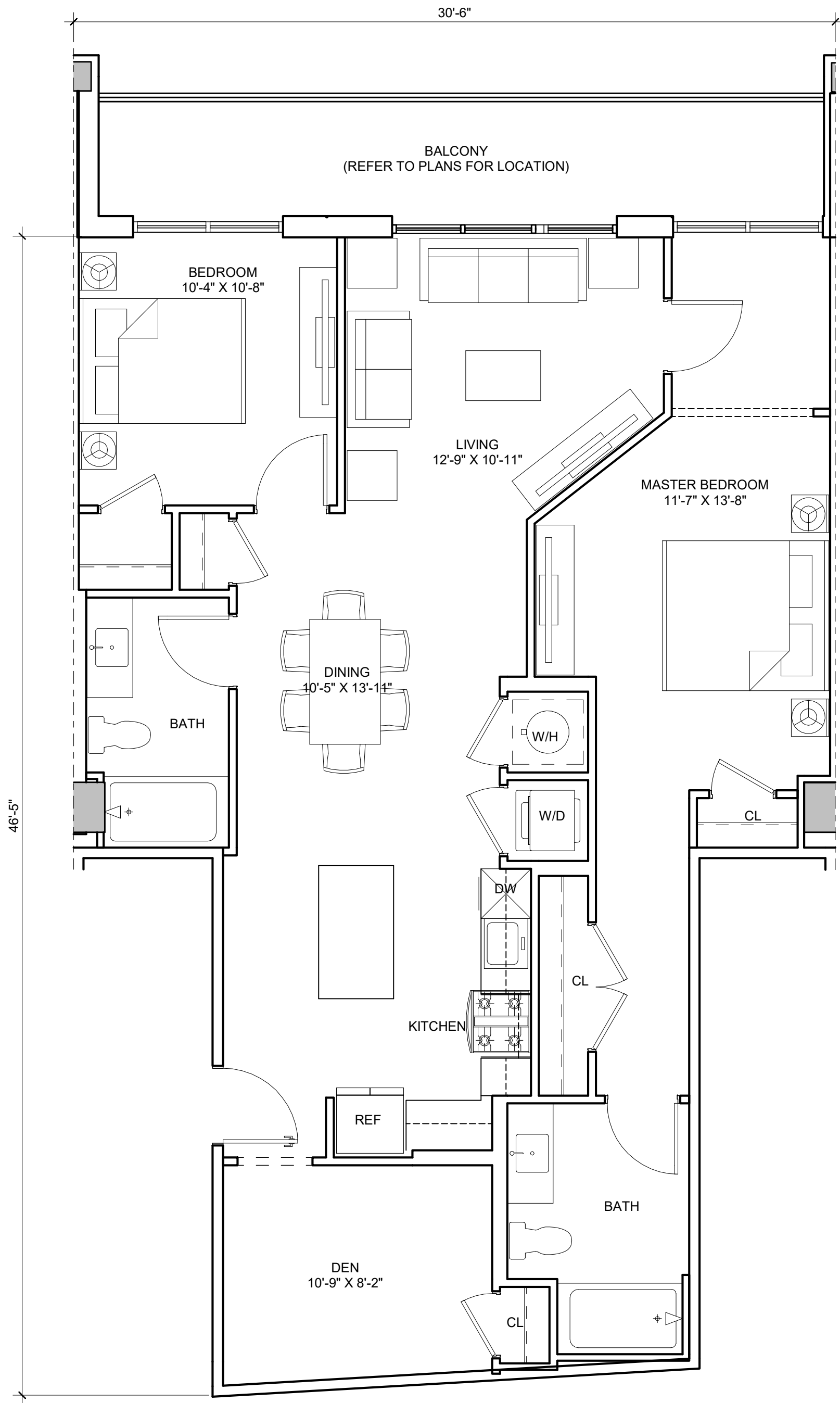
JUN 08, 2023
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A.15

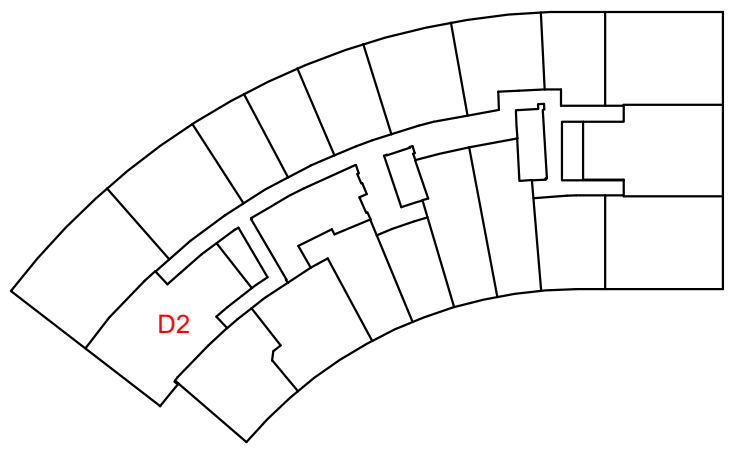




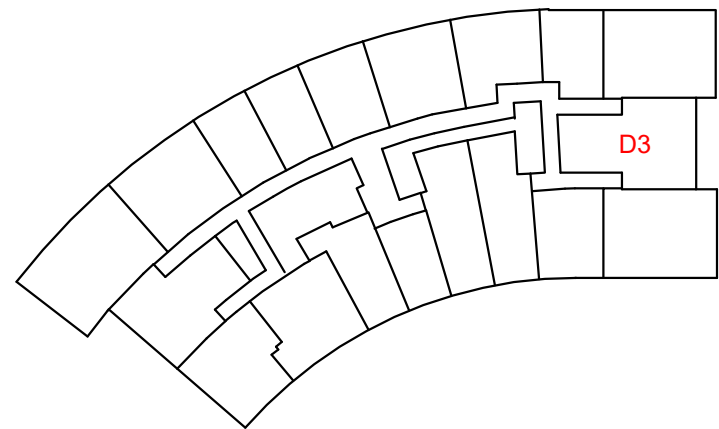
UNIT D2
1,400 NSF
6 UNITS
2BR / 2BA + DEN



UNIT D3
1,177 NSF
3 UNITS
2BR / 1BA + DEN



R2-R7



R8-R10

KEY PLANS



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UNIT PLANS

SCHEMATIC DESIGN

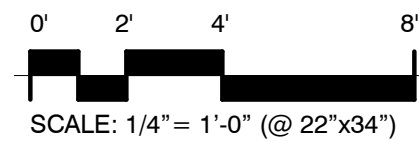
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UNIWEST TWINBROOK

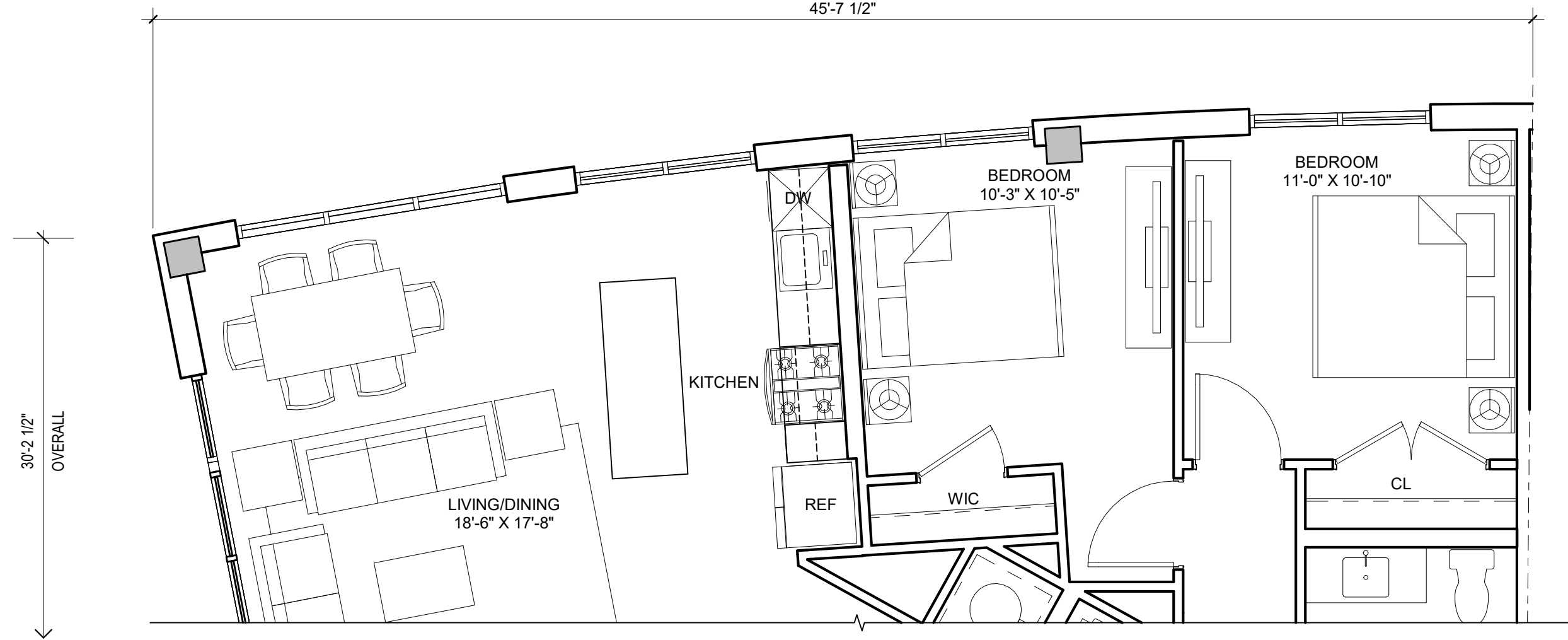
Rockville, Maryland, 20852,USA

UNIWEST

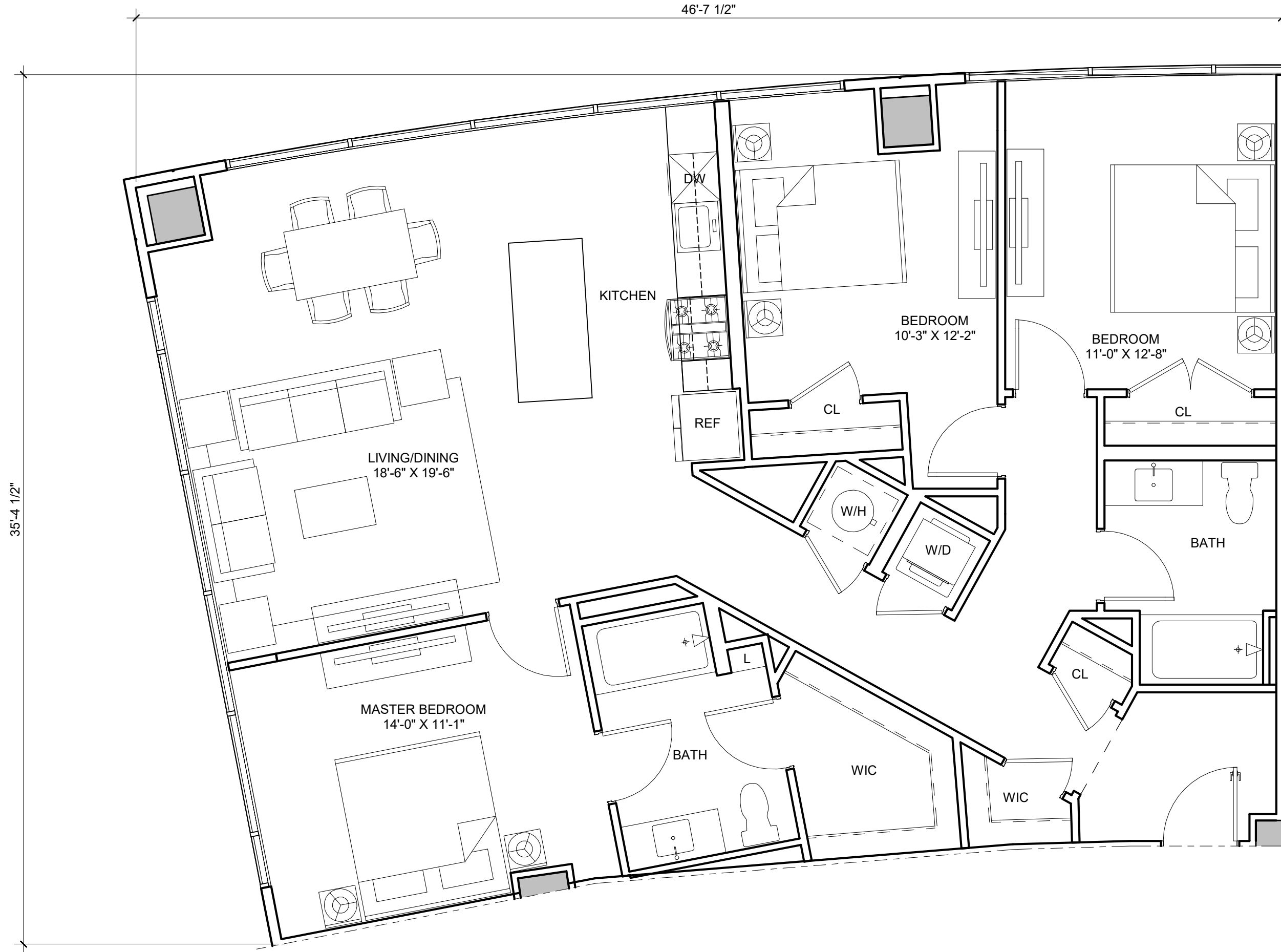
JUN 08, 2023
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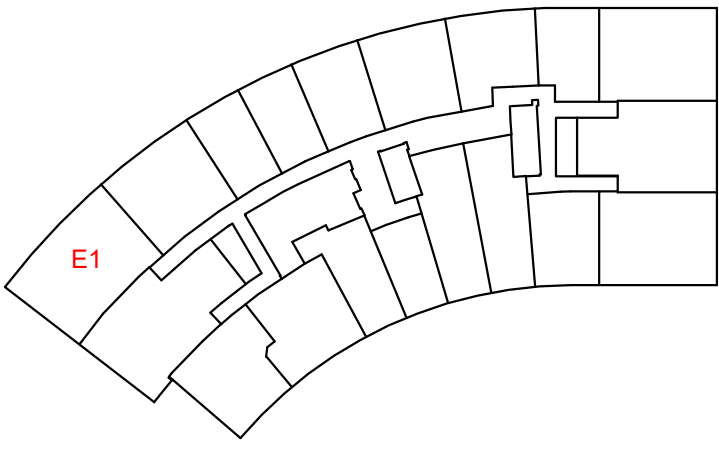
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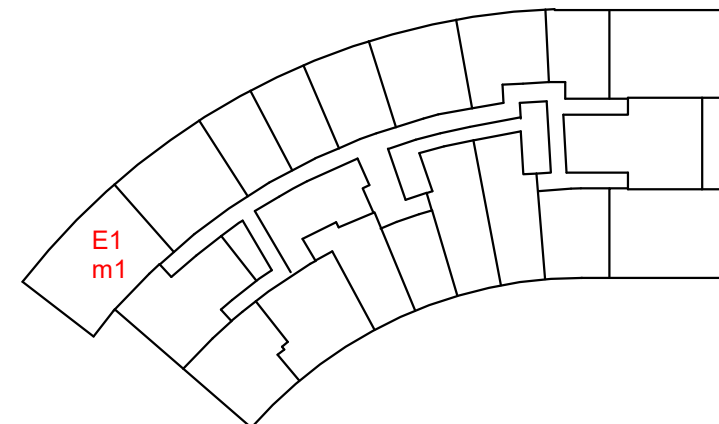
UNIT E1m1
1,267 NSF
3 UNITS
3BR / 2BA



UNIT E1
1,375 NSF
6 UNITS
3BR / 2BA



R2-R7



R8-R10

KEY PLANS



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UNIT PLANS

SCHEMATIC DESIGN

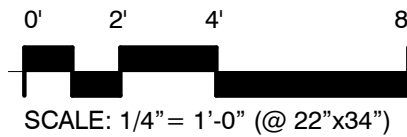
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JUN 08, 2023
UNI.010B



A.18



1
A.21
NEW NORTH ELEVATION
Scale: 3/32" = 1'-0"



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NORTH ELEVATION

SCHEMATIC DESIGN

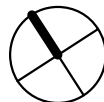
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JUN 08, 2023
UNI.010B

A.21





Community Planning & Development Services
Received
September 6, 2023

PERSPECTIVE RENDERING

Community Planning & Development Services
Received
September 6, 2023

TWINBROOK PLACE
CONCEPTUAL DESIGN



UNIWEST

ROCKVILLE, MD

FEB. 21, 2023

05

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